



Digitized by the Internet Archive
in 2014

NEW YORK ZOOLOGICAL SOCIETY

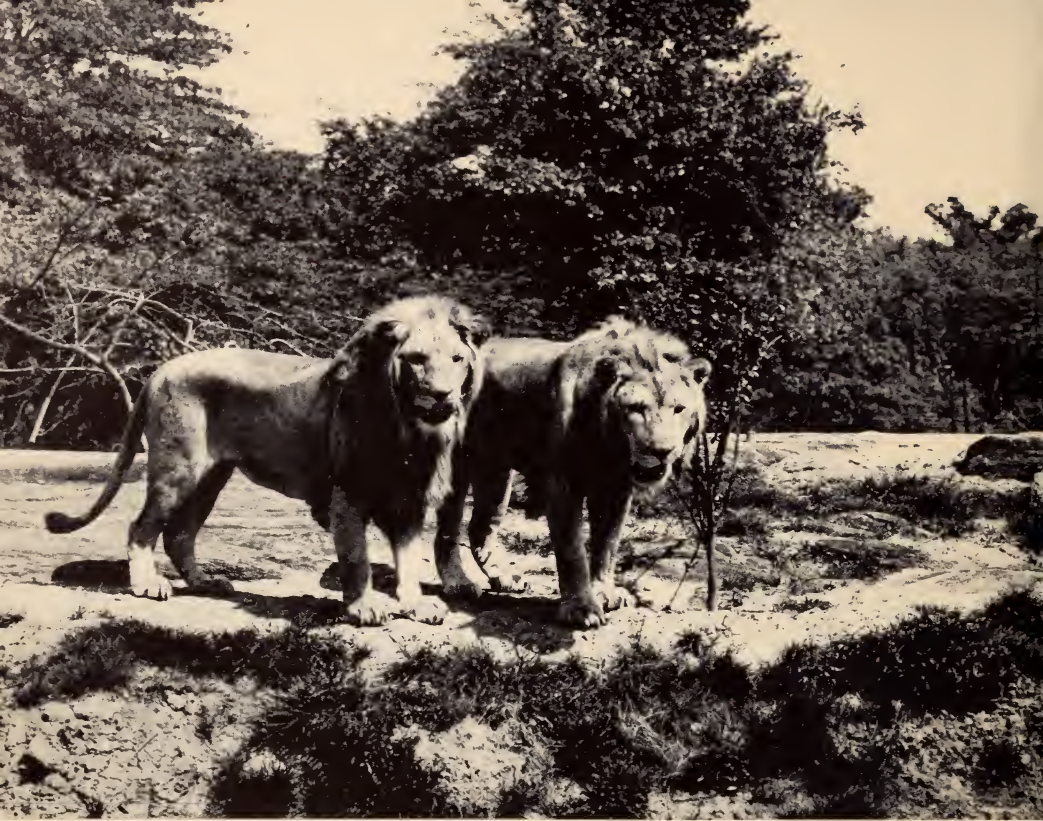
FORTY-FIFTH ANNUAL REPORT

FOR THE YEAR 1940



NEW YORK ZOOLOGICAL SOCIETY
FORTY-FIFTH ANNUAL REPORT
FOR THE YEAR 1940

THE CITY OF NEW YORK
JUNE 1, 1941



AT LIBERTY ON LION ISLAND IN THE AFRICAN PLAINS

DESPITE the critical days this country is passing through, it is possible to report that the year 1940, for the Zoological Society, was one of unusual progress and development. This is no accident. It is affirmation of the fact that the Society, through the two institutions under its management, through its educational activities, through its scientific work, is providing the public not only with recreation in its true sense—but with influences that are steadily contributing to a better understanding of life as a whole. Expressed in its broadest terms, the Zoological Society exists in order to tell people the story and meaning of life on this earth as expressed through the myriad and varied forms of living creatures. In this sense our organization is an interpreter of Nature, and who is to say that the troubles civilization is cursed with today do not arise, in considerable part, from a lack of comprehension of Nature's laws?

We are proceeding on the principle that while the present vast preparations of the nation to cope with world conditions are paramount, it is, at the same time, necessary—in a sense more necessary than in normal times—to carry forward those activities which bring recreation and instruction to millions of people each year. There is another reason for proceeding vigorously with the work of institutions such as ours. Only in this hemisphere can it now be done. There is a saying of the Ancient Greeks, "Keep the torch alight."

In summarizing the more important events of the year, it is encouraging to report that the Society received cash donations aggregating \$121,667.81 for general development purposes. All of this money came from trustees and members of the Society and in it is included the magnificent gift which has made possible the creation of the new African Continental Exhibit in the Zoological Park. These funds have also met the cost involved in the preparation of comprehensive and detailed plans for the future development, unit by unit, of the entire 240 acres in the Park, including the areas immediately east and west of the Bronx River and Lake.

Why should we continue to receive funds and for what new purposes will they be used?

First, we are developing new conceptions of what a zoological park or aquarium should be. For the first time in any zoological park here or abroad, we are carrying out plans, on a broad scale, of exhibiting our living collections according to their distribution by continents. This is a basic change, and will provide the public with an infinitely clearer understanding of the history and relationships of animal life on this earth.

Further, we are determined, insofar as possible, to take our animal collections out "from behind the bars." This will result in liberating our unique collections from many of their present types of enclosures. The animals are entitled to it, and the public will get a far better conception of the beauty and behavior of animal life if we carry through a general program of exhibiting our collections in areas expressive of freedom and of natural environment. From the point of view of public psychology this is of vital importance.

We are making another departure. On the entrance walls to the new African Exhibit there will be written by means of legend-maps the story of the development of life on the continent of Africa through tens of millions of years. We believe this presentation will prove to be an example of popular education in zoology in its most effective form.

The fact that we are proceeding with a number of new developments at the Zoological Park does not mean that new ideas for the Aquarium are lacking. But the solid walls of that century-old building prevent their application. Only through the medium of a new Aquarium building can justice be done to the miracle of marine life presented through modern exhibition technique.

Major changes have taken place in administrative personnel. W. Reid Blair, after thirty-eight years of splendid service with the Society, retired as Director of the Zoological Park on May 1. H. R. Mitchell, who had capably and conscientiously served as Manager of the Zoological Park since 1899, retired from active duty at mid-year. In July, Allyn R. Jennings was appointed General Director of the Zoological Park and the Aquarium, and Harry Sweeny, Jr., was appointed Assistant General Director of these two institutions, Dr. Breder continuing as Director of the latter institution.

Our intention of pressing forward with scientific work is exemplified by the fact that in 1940 a larger amount of the Society's funds was allocated for research than in any previous year in the history of the

Society. It will be recalled that in addition to research work, which has been carried forward for a number of years in the laboratories at the Zoological Park and the Aquarium and in the laboratory of the Tropical Research Department, the Society has been servicing medical and other research institutions with valuable material. We are now working on a plan whereby the Society may become a research center, not only for the Greater City of New York, but for the country as a whole, for the study of animal diseases in their relationship to human disease problems. Leaders in various fields of research, including men directly engaged in the medical profession, are helping us in formulating this program. We hope to gain the financial support, during the year 1941, which will enable us to get this project under way. Its significance in connection with human health may well be greater than any of us can now foresee.

The Society's exhibit at the World's Fair provided enjoyment and instruction to 399,000 visitors. This enterprise has proved of value to the Society in many different ways and should be a matter of lasting satisfaction to the generous group among our trustees who made it possible.

Under a grant from the Rockefeller Foundation, a survey has been completed of existing films in the field of zoology and allied sciences. This survey reveals a dearth of popular instructional film material on zoological subjects. A series of film scripts of a new type is now being prepared.

There has been active collaboration between other institutions and the Society. For example, the American Museum of Natural History has aided us in the preparation of the African Exhibit and its educational material; it also held a special exhibition of portraits from the Society's wild life gallery. The New York Botanical Gardens, our good neighbors in Bronx Park, supplied us with valuable technical advice on the landscaping of the African Plains area, as well as providing exotic plant material for several of our exhibits. We are also receiving aid from the Metropolitan Museum of Art and the Brooklyn Museum in connection with exhibits of animal sculpture and portraiture. The Society, for its part, is doing its best to reciprocate.

During the year we arrived at an understanding with the Commissioner of Parks, which will involve the transfer to the City of an area on the west boundary of the Zoological Park for recreational playground purposes, in return for which the Department of Parks is to arrange for the construction of our proposed new North American Continental Exhibit area in the vicinity of Lake Agassiz. This project should prove

a close second in interest to the new African Continental Exhibit. It is expected that a definite agreement regarding this will be entered into during 1941. This incident is reported here because it exemplifies the spirit of cooperation which exists between the Society and the City government. The Mayor and the Director of the Budget have likewise recognized the problems that we must meet in carrying forward the present program of increasing our services to the public and on more than one occasion have extended such aid as the circumstances justified. Nothing could be more obvious than the fact that the success of our future development depends in a major degree upon such wholehearted collaboration.

* * * *

The year was marred by the loss of two men who have meant a great deal to the Society. W. Redmond Cross, who died suddenly in November, had served as a Trustee since 1919 and as President from June, 1937, to June, 1940. He was an intense believer in what the Society stood for—and in its future. He was a man of unusual thoroughness and conscientiousness. He fully accepted the responsibilities of trusteeship and gave generously of his time and energy. The activity and interest of earlier years naturally increased even further during the time in which he served as President. It may be truly said that over a period of twenty years his contributions to the Society's welfare were innumerable and cumulative, and their effect will live on through the years to come.

Edward S. Harkness, who died in January, had served as a Trustee since 1910. Despite his many other interests he maintained active contact with the Society, was helpful in counsel, and made generous gifts towards its support.

* * * *

The reports which follow are presented in a more simplified form than that adopted previously. It is believed, however, that they will provide a comprehensive story of the year's activities.

FAIRFIELD OSBORN, *President*



PORTRAIT OF AN INDIAN RHINOCEROS



LEOPARD FISH FROM THE EAST INDIES

ACTIVITIES OF 1940

FOREWORD

AS evidence of the integration of all activities of the Zoological Society, the shackles of precedent are loosed in this report, which will not be an orthodox presentation of a mass of detail—some of it interesting and some of it boring—but which will highlight the achievements of 1940, with now and then a hint of what is in store for 1941.

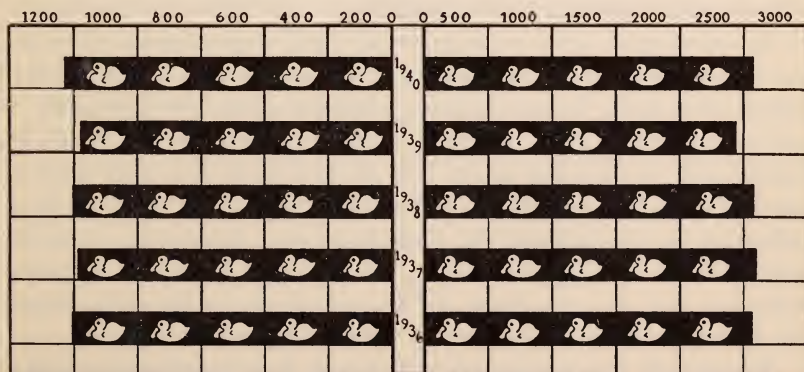
THE COLLECTIONS

Chapter 435 of the New York State Laws of 1895 incorporated the New York Zoological Society with power to "*establish, maintain and control collections for the promotion of Zoology and kindred subjects, and for the instruction and recreation of the people.*" Paramount, therefore, is the importance of our collections, which can be said with pardonable pride to be the finest and most complete in the world today.

ZOO COLLECTION

Figures at top, left, represent number of species in the collection

Figures at top, right, represent number of specimens in the collection



No breakdown into the number of specimens of various species within the multitudinous Orders will be attempted here. Recognizing, however, that some are interested in this type of classification, lists have been prepared, setting forth the census in detail, including accessions and births and losses throughout the year, and members may receive them promptly upon request.

MAMMALS

Each symbol represents 10 species in the collection

Side figures show number of specimens



The Zoo's collection of mammals, the mainstay of any zoological garden, has been augmented and diversified, and 1940 showed the greatest number of species in more than a decade, with the end of the year census indicating 535 specimens of 192 species.

In accordance with a program of herd improvement, forty-six surplus animals were sold or exchanged during the year, and forty-three animals were born. Revised breeding schedules calling for acquisition of new animals are in force, and it is definitely certain that the herds will shortly again be regarded as the best of their kind. The importance of breeding is paramount. More attention must be given to the increase of collections by this manner, for dependence upon importation from the wild cannot continue. For instance, the Zoo's last Hartmann Mountain Zebra has died and this species has become so rare in its native terrain that it is practically impossible to obtain a replacement.

Fortunately, few rare animals were lost by death in 1940. The hardest

loss to bear was that of the male giant Panda. Received with a serious digestive disorder, he never fully recovered, and although his weight doubled during his residence in the Zoo, he was unable to survive a recurrence of his old malady. Old-time favorites lost to the collection included Jimmy, the fourteen-year-old Babirusa, and Paul Rainey's Silver Queen, the Polar Bear which was known to millions of visitors during her thirty years of exhibition.

Highlighted among accessions were two importations of African Antelopes and Zebras brought back by Radioman Vida of the SS "City of New York." These two shipments included three Chapman's Zebras, two Elands, two Springboks, two Hartebeests, a Cape Buffalo and various other mammals and birds. Vida has become the Society's chief source of supply from the continent on which so much interest will be focused when the new Plains area will be completed this year. Cap'n Bob Bartlett brought back four baby Walruses from his annual Greenland cruise, but unfortunately none of them survived, evidence that it is next to impossible to bring such unweaned specimens to maturity. By way of contrast, the four young Muskoxen which he brought in 1939 are thriving. Two infant female Chimpanzees, Karema and Kukuna, were purchased with the unexpended balance in the account of the Junior Auxiliary. A pair of Klipspringers born to the St. Louis Zoo herd was purchased in August. Shortly after the animals were received, the mother had a baby but refused to nurse it and the artificial means failed to keep it alive. Soon afterward the male parent died through an apparent allergy to oak leaves. The mother remains one of the most interesting antelope exhibits.

Three young Indian Elephants, a pair of Dromedaries, a young Bactrian Camel, five two-year old Lions and two young Siberian Ibexes were acquired by purchase.

Native domestic animals had never been exhibited in the Zoo until an historically interesting specimen, a fine Texas Long-horn Steer, was presented by Paul Whiteman in the fall. This animal will eventually be exhibited in a Model Farm Group, which is under W.P.A. construction east of the Bronx River, and which will be opened to the public in the fall of 1941. Here as many farm animals as possible will be shown to city-bred boys and girls, many of whom never had the opportunity to see mares and colts, cows and calves, ewes and lambs, sows and pigs and geese and goslings together.

Organization changes have placed Dr. C. W. Leister, formerly assistant to the Director, as Curator of the Department of Mammals. Dr.

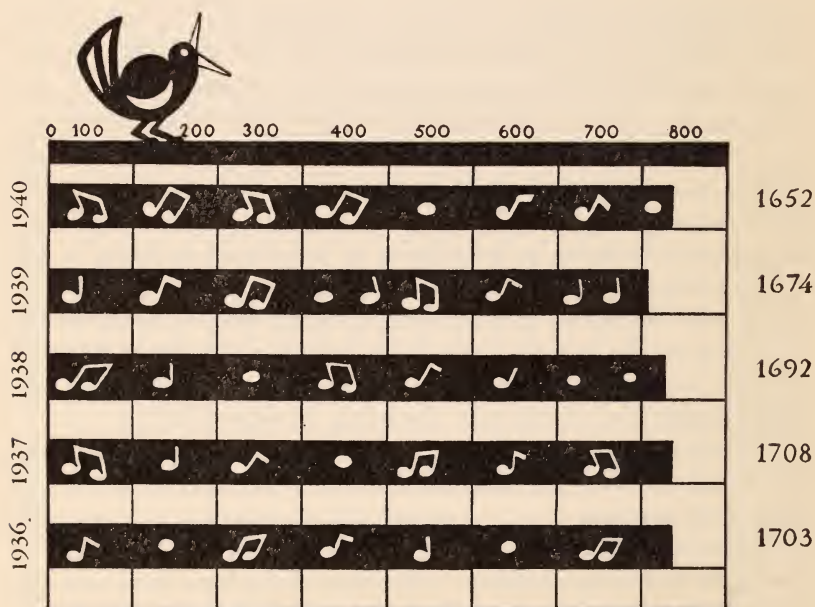
Leister continues his duties as Curator of Educational Activities. Dr. Raymond L. Ditmars retains the Honorary Curatorship of Mammals, but has broadened his activities to head the newly-created Department of Insects, along with his long and noted Curatorship of Reptiles.

William T. A. Cully, a long-time keeper in charge of the Kangaroo and Wild Swine collection, has been promoted to Head Keeper of the Department.

BIRDS

Figures at top represent number of species in the collection

Side figures show number of specimens



War in Europe did not have its anticipated effect on the status of the collection, a number of birds from Africa and Asia continuing to be received. South America, which had been expected to be a fertile source for extension of the collection, proved disappointing. The year's total of forty-three species new to the collection is second to the record of forty-five obtained the year before. Several important gifts helped to swell the general total, including twenty-two birds presented by Orlando

Weber, Jr., seven by John H. Phipps, a fine young male South American Condor brought from Chile by Captain C. T. Moritz, and several southern Green Toucanets and Chavez's Jays from Director Bean of the Chicago Zoological Park. A female Kea, while not a species new to the collection, was acquired to alleviate the loneliness of the twenty-year old male, through the generosity of Director Mann of the National Zoo in Washington. Through the courtesy of the Eastern Air Lines, this young bird, accompanied by the General Director and the Curator of Birds, was flown up from Washington during Thanksgiving week. Romance has not materialized, for the newcomer immediately preempted the oldster's sleeping quarters, and the present installation in their cage consists of twin hollow logs. A local expedition by Keeper Scott added an especially fine Golden-fronted Green Bulbul to the collection. It was captured on the lawn of Edward S. Lloyd in Yonkers, where it had dominated his garden with color and song for several weeks.

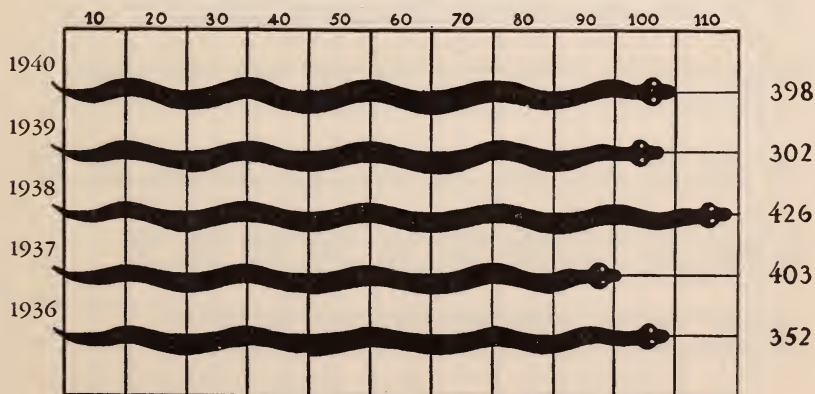
The important accession of the year was the major part of the collection of the late Pompeo Maresi, which included many great rarities, and from which forty-six birds of forty species were purchased. Fourteen species were new to the collection.

Head Keeper Samuel Stacey reaches retirement age in 1941, but in recognition of his value, his services will be continued for one year.

REPTILES

Figures at top represent number of species in the collection

Side figures show number of specimens



New and interesting accessions came from the Argentine, including the striking western Argentine Boa, a burly reptile, fully as large as the tropical Boa Constrictor. New specimens of Indian, Malaysian and African Pythons were also received.

An exhibit with proved popular interest and educational appeal is the series of eight habitat cases, in which are housed snakes found in the northeastern states. A map indicating ranges of the various species provides an aid to visual instruction.

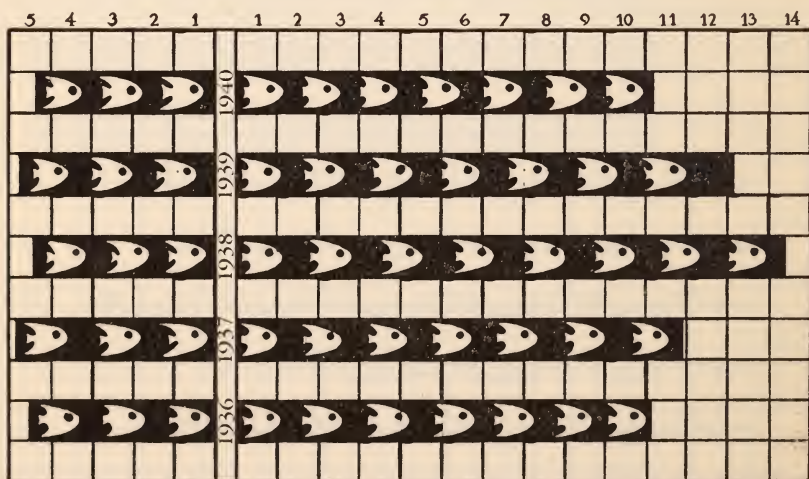
Head Keeper John Toomey, forty years in the Zoo, has been retired and Fred Taggart has been named Head Keeper of the Department, to which have been assigned two new young keepers of wide herpetological experience.

The formation of the new Insect Department has been studied in detail, tentative plans have been drawn for housing the collection (which is non-existent save for interesting colonies of Parasol Ants) and arrangements are being made for the collection and shipment of insects from many quarters of the globe.

AQUARIUM COLLECTION

Each figure at top, left, represents
100 species in the collection

Each figure at top, right, represents
1,000 specimens



The census of fishes can run into figures approaching the astronomical. Nearly 100,000 eggs were incubated in the Aquarium and their larval and fingerling stages never fail to excite the interest of visitors. The public-spirited character of much of this work is evidenced by the issuance of fry and fingerlings for stocking purposes to eight public bodies of water.

The ten thousand-odd specimens of 436 species is a bit lower than the 1939 census. Arrangements worked out for the collection of local fishes, particularly through the cooperation of Robert Doxsee from whom we receive many interesting exhibits, as a by-product of his commercial fishery on Long Island, are counted on to add new species. Although there was no great increase in the more exotic species from other waters, the Aquarium acquired a fine group of West Indian fishes, including a few specimens of the hitherto elusive Rock Beauty, only one specimen of which had ever been shown to the New York public. Following suggestions made by the Aquarium staff, a collector succeeded in obtaining a quantity of these handsome representatives of the Angelfish family by the simple method of swimming under water to a point below the school and literally rounding them up to the surface where they were easily captured by the boatmen's scoop-nets.

Nearly five hundred specimens of twenty-five species of colorful Florida coral reef fishes were purchased, while from the Society's station at Palmetto Key two hundred specimens of invertebrates, such as Star Anemones, Starfish and the like, found their way into the Aquarium tanks. The purchase of a small collection of East Indian fishes brought in a number of specimens of a new and larger species of Clownfish, which has not been shown in New York before.

The usual routine collections by the Aquarium staff netted thousands of specimens of a number of species from upstate streams and lakes, from the lower Bay and from the larger lakes in the City Park system.

The Aquarium, as usual, became a depository for many gifts, including the inevitable torrent of alligators brought back by Florida vacationers. The passing of the glory that was the New York World's Fair was brilliantly reflected by the accession of 250 colored fishes which had adorned garden pools in the exhibits of the United States of Brazil and of the Equitable Life Assurance Society. Of special note, however, were 134 valuable specimens of both marine and fresh water tropical species collected from Sumatra, Java, the Celebes and Straits Settlements by Jac. Erenstein, engineer of the motor vessel "Poelau Laut."

TRANSIENT VISITORS

Measures were taken to extend the length of stay and comfort of migratory wild fowl. An appropriation of \$1,500 was made by the Society's Conservation Committee to defray the cost of extra grain, for which there was no budgetary allowance. The increased feed was a factor in attracting many more birds than usual, especially Black Ducks and Canada Geese. Another step toward the protection of the nesting wild fowl throughout the Park has been a concerted drive on rats. Selected keepers with .22 caliber rifles accounted for 800 in a campaign lasting only fourteen weeks before the end of the year. This will be continued.

HEADS AND HORNS

The collection, which is probably the finest in the world, was increased by the donation of a tiny Livingston's Suni taken in the Kenya colony and presented by John D. Rockefeller, Jr. Mrs. E. M. Douglas presented a prize-winning head of a White-tailed Deer, which was taken in Putnam County and which had received a national championship award.

The year was marked by the retirement of Martin S. Garretson, who had been the curator of the collection for seventeen years, and under whose sympathetic direction the Museum had built up its magnificent group of specimens. His place has been taken by Frank Schleicher, who came to the Society from the American Museum of Natural History.

WELL-BEING

The census of animal collections would decrease alarmingly if the health of our thousands of living creatures was not the constant concern of those of the staff charged with the study and prevention of illness and disease.

From the seventh annual report of the Society is quoted: "It is a fortunate circumstance that every loss to the Society in the Zoological Park is not a real loss to the City; it is instead a gain, because all rare and valuable animals are immediately transferred for taxidermic and scientific purposes to the American Museum of Natural History and become a part of the exhibitions in that institution." While this philosophy may have been somewhat of a solace, gratification increases in direct proportion to the decline of generosity to a sister institution, which last year received 172 specimens for study and mounting.

WELL-BEING—MAMMALS

Symbols used in charts on Well-being

Above the line



Births



Gifts to the Zoo



Animals purchased



Census (number of animals in collection at beginning of year)

Below the line



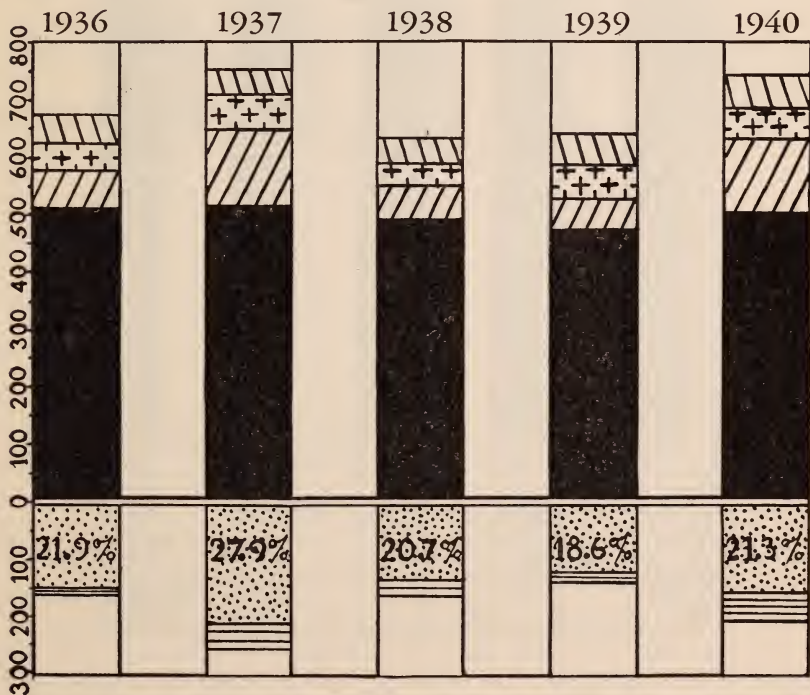
Mortality



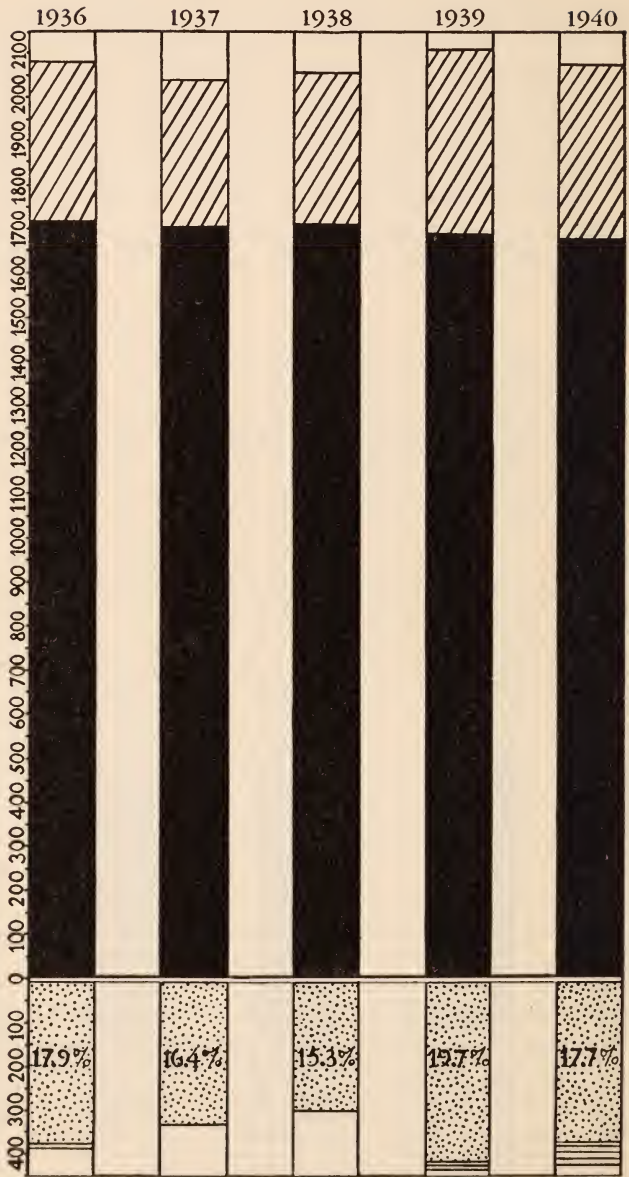
Percentage of mortality based on total number of specimens in collection during year



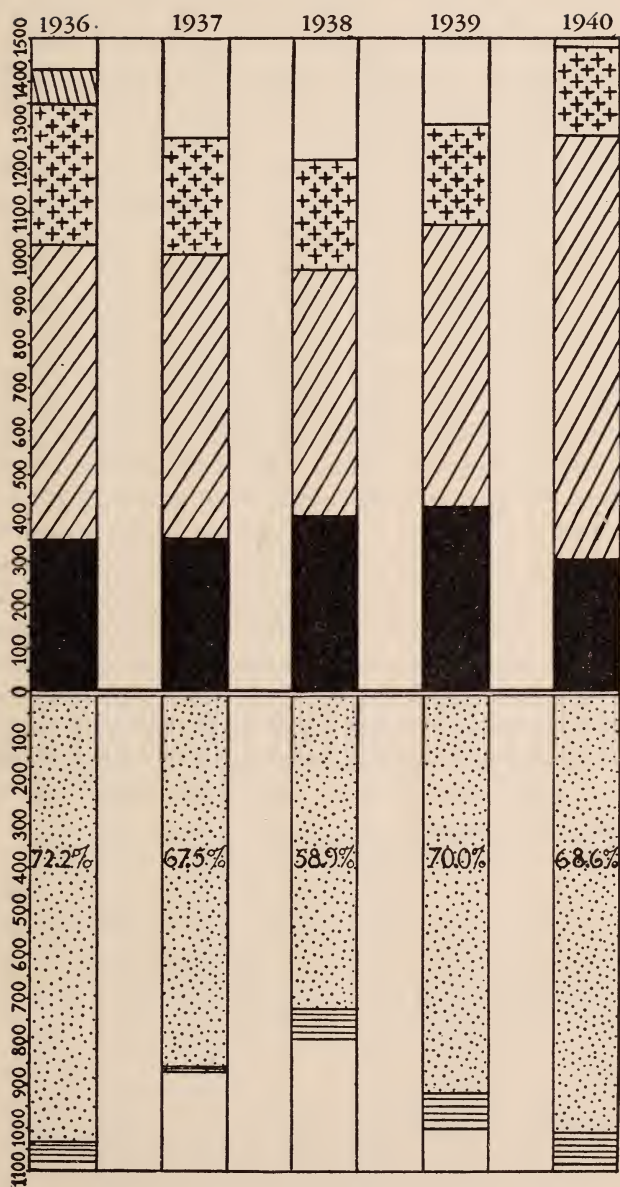
Disposals (gifts from the Zoo, sales, etc.)



WELL-BEING—BIRDS



WELL-BEING REPTILES



Mortality decreased in the Zoo, whose records begin with every animal on the date of acquisition. There were no serious epidemics in the Zoo's collections, except for a baffling series of deaths among the Sea Lions.

Various changes in the dietary system have been put into force and it is hoped that not only an improvement in general health, but increased fertility of the collections will result.

There was a slight increase of mortality at the Aquarium. While the difficulty in the control of temperature and circulation in the new distribution system which has been tacked on to the ancient plant has caused increased mortality among fresh-water specimens, the health of the marine group was bettered by limiting the collections to smaller numbers and by a significantly satisfactory control of parasites through the application of new prophylactic and therapeutic measures. The closed circulation system was practically in an experimental stage and the mortality of the fresh-water collection should be lessened in the current year. It is gratifying that the longevity of the species of fishes which died has been extended from nine months in 1936 to fourteen months in 1940.

While there is a tendency to build up more lasting immunity, parasites or infectious diseases continue to be the bane of the Aquarium pathologist, fifty per cent. of the losses being due to these causes. Fortunately, no new disease or parasites of serious moment were encountered during the year. Meanwhile, out of the test tubes of experience appear factors in the control of fish diseases. Limitation in the numbers of individual specimens, together with a better understanding of proper times to collect, segregation of susceptible species, regular periodic treatment of fish subject to parasites and better temperature control, all unite to lessen the mortality curve.

Several new drugs developed during the year for human and animal use have been used in the Park hospital. The duties of the Veterinarian have been broadened to include supervision of the food and sanitation of the various public facilities in the Park, and schooling in sanitation and animal handling for candidates for positions of keeper. The title of the Veterinarian has been changed to Curator of Health.

RESEARCH

The preceding paragraphs have dealt with the health of the collections, and have indicated the study and research constantly under way. A research assistant has been added to the Zoo's hospital, and the Presi-

dent has mentioned in his report the hope of establishing a research center there for the study of animal diseases in their relations to human diseases.

The importance of the behind-the-scene staff work at the two institutions is best illustrated by the contacts which have been established with other research laboratories, both public and private, hospitals and other health services, universities and individual technicians working on allied problems. For example, the interchange of information and specimens has reached out to 109 points of contact in 29 states of the Union and 20 foreign countries. Staff members maintained contact with scientific societies and attended 7 meetings.

Of economic importance has been the study of infection in schools of fish harboring diseases to which man is susceptible, carried on at the request of the Federal Department of Commerce, as well as routine inspection of random tins of canned salmon so as to safeguard the health of the soldiers for whom they were purchased by the U. S. Army. When the program of Caribbean expansion was first advocated, both Army and Navy authorities turned to Dr. Ditmars for advice on the control of poisonous serpents and on remedial measures to be taken in cases of snake bite.

The old Aquarium in Battery Park, with improved laboratory facilities, is a nerve center for the study of various problems of research. Here have come twenty-four visiting students and Fellows from local and distant universities, whose research has ranged from dental development in fishes to the microchemistry of electric eel tissue. Our own staff have worked on pathology, genetics, studies of the eye condition of the blind cave fish of Mexico, laboratory study on the Tarpon life history based on field work at the Palmetto Key station in Florida, continued studies on the weird power of the electric eel, and on the colorless yet vitally practical study of the Teredo to benefit our City Department of Docks.

During the past five years, the Aquarium staff and their associates have identified and made studies of the cause and effect of five of the twelve types of cancer that have been positively demonstrated as being those to which man is susceptible. Added to this work which may some day fit into a complex pattern of cure or prevention, are studies on genetics of cancer in fishes made by Dr. Gordon, a Guggenheim Fellow, who has, at the Aquarium, developed cancer, apparently identical to the human disease, in Swordtail-Platy hybrids.

At the Aquarium a group composed of Drs. Smith and Cox of New

York University, and Nicholas and Smith of Yale, have been formed into an advisory Committee to determine the future course of research studies.

PUBLICATIONS

The work of the Aquarium staff in exploring the cave of the Blind Fish in Mexico and the continued Tarpon studies in Florida have been adequately described in past issues of the *Bulletin*. In addition, the staff, either alone or jointly, were responsible for the publication of sixteen scientific papers appearing in *Zoologica*, *Copeia* and other technical publications. The staff at the Zoo and members of the Department of Tropical Research, contributed fourteen papers to *Zoologica*, and two to other scientific journals, and together with their Aquarium colleagues, eleven major articles to the *Bulletin*. Our important publication in the field of zoological research, *Zoologica*, had the largest volume in the 34 years of its existence. Thirty-four scientific papers totalling 562 pages were published. *Zoologica* has a world-wide distribution, presently being sent to institutions or individuals in fifty-five foreign countries.

The bi-monthly *Bulletin*, fresh in outlook and cheerful in format, continues to improve. The average issue now contains thirty-two pages, packed full of interesting reading, and including eight-page inserts illustrating the work of artists who have held exhibitions in the Zoo.

The Society's magnificent collection of animal photographs gained further recognition during the year and 100 prints were exhibited at the Milwaukee Art Institute, 25 attracted attention to the new developments at the Zoo at the Cleveland convention of the American Institute of Park Executives, and 25 were shown at an exhibit of nature photography in Albany.

EDUCATION

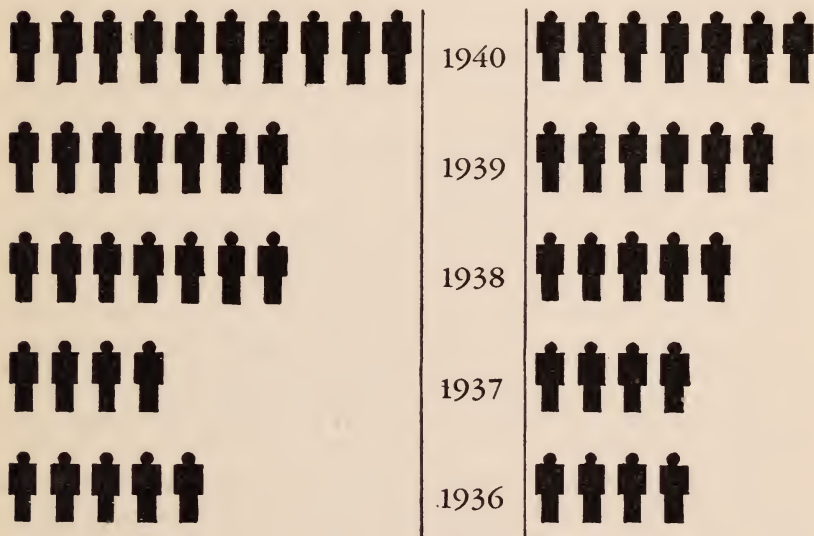
With the finest zoological collection in the world and the splendid Aquarium collection to offer, we look forward to broadening the base of their usefulness not only to children of City schools, but to pupils of all the schools serving the regional population of twelve and one-half million people, who live in 408 self-governing communities within 50 miles.

In 1941 there will be docent service, of which it is hoped hundreds of groups will avail themselves. For the payment of a fee, they will be offered an exciting educational tour, a wholesome luncheon and lots of

EDUCATIONAL ACTIVITIES

Each symbol at left represents 200 groups visiting the Zoo

Each symbol at right represents 10,000 persons visiting the Zoo in group attendance



VISUAL AIDS

Each symbol at left represents 5,000 students who saw our lantern slides

Each symbol at right represents 10,000 students who saw our motion pictures



fun in the shape of animal rides, admission to the Children's Zoo and the like.

More and more schools are borrowing lantern slides and motion pictures. 125,000 children saw these in 1940. New films and slides are being added constantly so that the educational technique keeps pace with the times.

ART

To round out the cultural, recreational, educational and scientific appeal of the Zoo, an Art program had its inception in 1940. The south hall of the Museum of Heads and Horns was used for display of portrayals of animals in various media.

Starting with an exhibition of 800 enlarged photographs which had been submitted in an amateur contest, among them some excellent studies which have been used in the new series of Zoo post cards, continuing with fortnightly shows of the young artists, Stolper and Addison, and ending the year with two exhibitions of remarkable water color plates of British Guiana fauna from Dr. Beebe's files in the Department of Tropical Research, the Museum attracted more than 25,000 visitors in less than three months.

Plans are being drawn for the alteration of the Museum into an exhibit hall, combining the finest and most interesting mounted specimens with the Society's excellent collection of oil paintings, formerly housed in the Art Gallery atop the Administration Building. Provisions will be made in the plans for a gallery in which changing exhibits will be displayed. Event will follow event in 1941. On page 32 is shown the calendar which has been arranged for the year.

METAMORPHOSIS

In a year of changes, the most outstanding feature was the completion, in December, of the first two units of the African Continental Group. This development, which was provided through the generosity of a member of the Society who modestly remains anonymous, comprises five acres containing a large open plains area for antelopes, zebras and African birds. In the same scene, separated from these plains animals and from the public by cunningly hidden moats, are the lions. Five young ones were turned out in their new habitat on Christmas Day. Public response was immediate and beyond all expectations. The attendance curve has risen sharply over that of previous years from the day

the lions were placed on exhibition. One lion has been stubbornly persistent in exploring the moats, but has suffered no ill effects, as escape ramps are provided.

Reports of other improvements to the buildings and grounds of the Zoo and to the Aquarium would not be complete without comment on the ability of the mechanical and laboring forces of the two institutions. Using available personnel, it has been possible to effect improvements which, if they had been performed by contract, would have cost more than \$50,000. This work was done in addition to the regular routine of repairs.

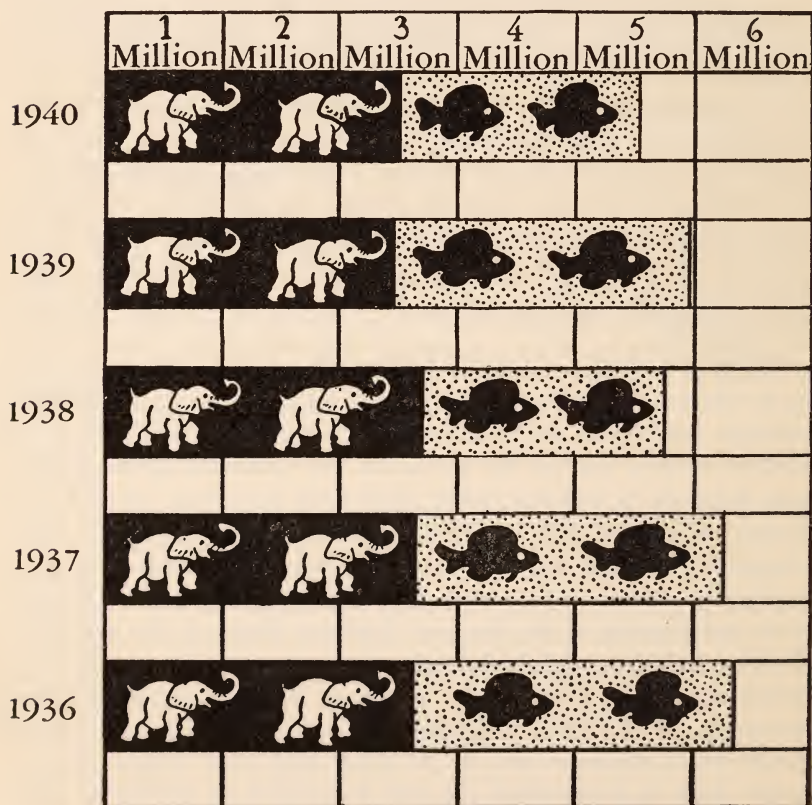
Highlighted among this group of improvements are the painting of the Eagle and Vulture Aviaries; the rehabilitation of the Aquatic Bird House; construction of a track for elephants and other riding animals, together with a shelter for the sale of tickets; the painting and repair of the interior of the Lion House, following the satisfactory completion of a City contract for roof and skylight renovation; the preparation and landscaping of a habitat group for Flamingoes; the erection of novel vending booths, in the shape of stylized animals, for the sale of souvenirs; the erection of a dozen bulletin boards at various strategic locations; the erection of a stage for the exhibition of small animals for the edification of younger visitors; and a general program of landscaping and forestry with a view toward bringing back the scenic pictures in the minds of the original planners. Along with these more notable accomplishments, a complete program of rehabilitation has had its inception and will continue through 1941.

Harking back again to the original purpose of the Society as expressed in its Charter, in which we were charged with "the power to establish, maintain and control the collections for the promotion of Zoology and kindred subjects, *and for the instruction and recreation of the people,*" new standards to improve public relationship have been adopted. The keeper and ground staffs are being especially drilled in courtesy, while charged with maintaining order and cleanliness. To reward keepers for meritorious services, cash prizes were authorized. They went to Keepers Scott and Rimmer of the Zoo, and Tankman Bloom of the Aquarium. Children have been delighted by the institution of rides on elephants, camels and llamas. Older people, as well as children, are interested and amused by the weekly animal parades, at which time they may pet and fondle tamer specimens out for an airing with their keepers. The inherent desire to feed animals can now be gratified by purchasing, from

automatic vending machines, food pellets for the quadrupeds and grain for the birds. Young and old alike can, for a nickel, toss a butterfish to the ever-voracious sea lions. New and improved labels have appeared on cages, while directional signs at every important path intersection point out to the visitor the location of sights which he ought to see. Older people, too easily fatigued by walking the entire circuit, can now ride in a tractor train of the kind made popular at the New York World's Fair. In short, everything possible is being done to insure the happiness and comfort of the visitor.

The Society operates all of the revenue-producing facilities in the

TOTAL ANNUAL ATTENDANCE AT THE ZOOLOGICAL PARK AND AQUARIUM

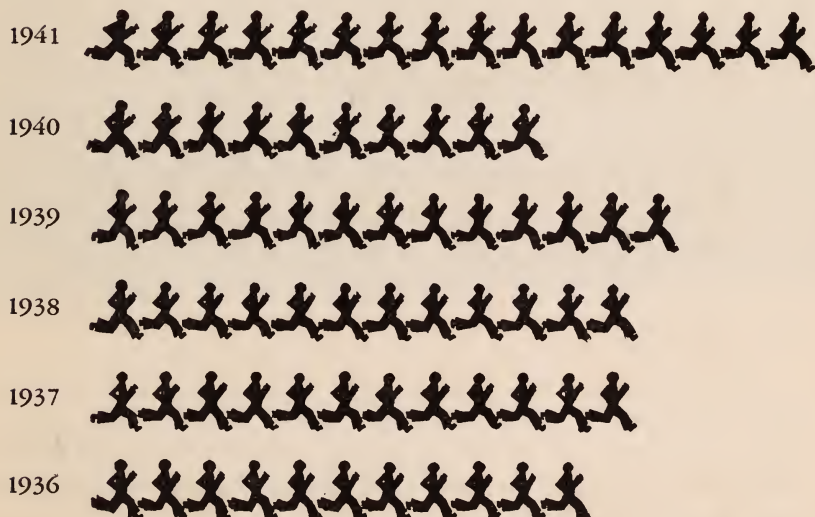


Zoo and Aquarium. Profits from these operations are earmarked for the purchase of animals. In both institutions, after careful study, new souvenirs were introduced and the public response has been gratifying. At the Zoo, food merchandising methods have been improved, menus diversified and quality bettered. The Rocking Stone restaurant, too ancient a structure to be continued with economical operation, has been closed.

Believing that proper operation and adequate service require constant improvement in the plant, the 1940 profits have been plowed back into improvement and extension of the revenue-producing facilities.

ZOO ATTENDANCE FIRST FOUR MONTHS OF EACH OF PAST SIX YEARS

Each symbol represents 50,000 persons

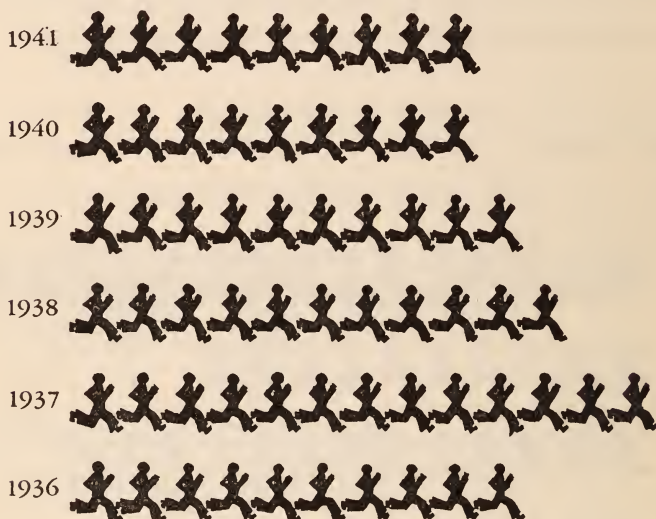


It has been the experience of Museums and similar institutions in New York that the effect of the World's Fair on attendance did not have the results which had been predicted. Comparative figures, which include the years 1939 and 1940, do not present a normal pattern. It is gratifying, however, that the Zoo, in which the bulk of improvements have been effected, is showing a constantly increasing attendance curve.

At the Aquarium, the lower attendance figures for 1940 clearly indicate that the exhibits must be revitalized, which is difficult because of the uncertainty of the Society's tenure of the old building in Battery Park.

AQUARIUM ATTENDANCE FIRST FOUR MONTHS OF EACH OF PAST SIX YEARS

Each symbol represents 50,000 persons



CONCLUSION

While this report has been impersonally presented, digression must be made at this point gratefully to acknowledge the whole-hearted cooperation of the entire staff of both institutions, without whose enthusiasm and unity of purpose there could have been nothing like the improvement that has been chronicled.



SIAMESE FIGHTING FISH



FUN AT THE ZOO—THE ANIMAL RIDING TRACK

REPORT DEPARTMENT OF TROPICAL RESEARCH—1940

GENERAL ACTIVITIES

THE general scientific activities of the Department were divided between work upon collected material at the laboratory in the Zoological Park, collaboration with other scientists and institutions, and the Fortieth Expedition of nine weeks at the Society's field station in Bermuda.

In April there was constructed a half-size model of four episodes in the migration of the sandpiper known as the Turnstone. It was exhibited at the May Day party, and will eventually be displayed in the Aquatic Bird House.

PUBLICATIONS

The Department has contributed nine articles to *Zoologica*, all directly concerned with the expeditions of the Department, and representing contributions from workers at six institutions in addition to our own.

In more popular literature, the Department has been represented in every one of the 1940 *Bulletins* of the Zoological Society.

SCIENTIFIC RELATIONSHIP

Dr. Beebe and Miss Crane were delegates in May to the Eighth American Scientific Congress in Washington. Two motion picture films were shown in the Zoological Section, the "Development of a Deep-sea Eel," and the "Evolution of a Lizard into a Bird." The interest of representatives of eight South American countries were enlisted in the Society. On September 1 Mr. Tee-Van attended the meeting of the Ichthyologists and Herpetologists at Toronto.

Our relationship with outside institutions and research workers has steadily continued.

SPECIFIC LABORATORY WORK OF THE STAFF

Mr. Henry Fleming joined as Volunteer Assistant in Entomology. He has engaged in overhauling the preserved collections, and in rearranging and cataloguing the collection of Lepidoptera made on early expeditions of the Department in the jungles of British Guiana.

Mrs. VanderPyl is now a permanent member of the staff. She is continuing her elaborate card catalogue of deep-sea fishes, with detailed references to the literature, distribution, ecology and development. Her special problem is the identification of the Pacific lanternfishes, collected by the Department on the "Noma," "Arcturus" and "Zaca"; the work will be incorporated in an ecological monograph written in collaboration with the Director.

Gloria Hollister in 1940 published a fourth paper on the caudal skeleton of Bermuda shore-fish, and has another almost ready, dealing with the carangids. New specimens were prepared as needed. Early in the year Miss Hollister obtained a grant for eight months' scientific work in Iceland, but the project was given up on account of the war.

Jocelyn Crane published a paper in *Zoologica* on the development of crabs of the genus *Ocypode*, and has two other studies nearly complete, one on "Zaca" littoral crabs, including ten new species, and the other on the development of Bermuda crabs. In addition, she has brought the crab catalogue up to date and has done most of the sorting and bottling of specimens sent to other institutions for study, besides whipping the resultant papers into shape for *Zoologica*. She has been in communication with fifteen institutions, foreign and American, in connection with her work.

John Tee-Van continued work on the "Zaca" and other Pacific sharks, and also kept the elaborate card files of fish literature up to date. As Editor-in-Chief of the future publication, "Fishes of the Western North Atlantic," he is meeting the challenge which a work of this magnitude always presents, involving the organization of subject matter and active collaboration with many institutions, governmental agencies and authors.

Mr. Tee-Van was in charge of the Society's World's Fair Exhibit. He is also contributing materially to a number of new developments which have taken place in the Zoological Park.

Eight separate scientific problems have been brought near to completion by the Director, the most immediate being the systematic review of the rays of the "Arcturus" and "Zaca."

In addition, papers on Pacific pediculates and other groups of abyssal fishes taken on the "Arcturus" and "Zaca" Expeditions, on the anatomy of the smallest Pacific sailfish, and on the larval development of certain Bermuda shore fishes are well advanced. Lectures covering the work of the department were delivered at the United States Naval and Military Academies at Annapolis and West Point, and before a dozen other institutions.

THE FORTIETH EXPEDITION

The personnel consisted of William Beebe, Jocelyn Crane, and Mr. and Mrs. Greame-Kelley. In Bermuda, Bronson Hartley was added to the staff as Field Assistant.

Nine weeks were spent at the station in the late summer. As always, our relationships with the Bermuda Government were most cordial. The new Governor Sir Denis Bernard was as interested in our researches as were his five predecessors.

Conditions were favorable and there was an abundance of marine life. The submarine light was used constantly at night around the wharf and a wealth of fish and other sea creatures lured by the strange radiance were observed, studied and captured.

Very appreciable progress was made in the study of the development and growth of larval fish, and especially in the pattern and color change at night as compared with those of day. Sargassum fish provided more data with reference to feeding, growth and individual pigment alteration. Very young specimens of the Bermudan angelfish were captured for the first time.

Studies of the life histories of Bermuda crabs were continued most successfully by Miss Crane; eggs and larval stages having been secured from a number of species. Most noteworthy among these were the pre-zoea and first zoea of the mangrove crab (*Goniopsis cruentata*), hitherto undescribed, and of the giant land crab (*Cardisoma guanhumi*), previously incompletely described twenty-eight years ago. These studies are connected with similar ones made on the "Zaca" in the Pacific.

Thanks to the purchase of complete new photographic outfit, extensive experiments were conducted in color photography. Its application to the scientific recording of color phases and changes in fish and marine invertebrates were studied, both motion pictures and slides being made. We proved that without the slightest question, Kodachrome in its present stage of development is so excellently adapted to the accurate

recording of color in even microscopic animals that, in the future, field sketches will be largely replaced by photographs, with an attendant increase in speed and accuracy as well as a reduction in expense. Especially valuable were the color photographs of larval and adolescent fishes, some measuring less than a half-inch in length, showing every evanescent pigment spot. Methods were also worked out for the successful recording of diurnal, nocturnal and emotional color patterns.

Mr. Greame-Kelley made an excellent collection of Bermuda insects, specializing in Coleoptera. He also worked as artist, whenever sketches or drawings were needed in our scientific investigations. Mr. Hartley proved to be one of the most successful collectors of rare fish and crabs we have ever had. He also proved invaluable in the devising and construction of delicate photographic and aquarium apparatus.

An offer which I made in the Bermuda paper, the *Royal Gazette*, to send free copies of my last list of Bermuda birds, brought forth an unexpected response from bird lovers on all parts of the colony.

L'ENVOI

On the last day of the year 1940 the fate of New Nonsuch still hangs in the balance; together with all the surrounding water and land, it and the Biological Station have been marked for demolition to provide a runway for Army land planes.

No plans can be made, and no more can be said until this is settled; whether or not the labor and love which have gone into the initiation and building up of this Laboratory of the Department of Tropical Research throughout the past ten years must be given over to the necessities of war.

PUBLICATIONS

The published contributions of the Department up to the end of the year 1940, number 22, bringing the total to 611.

CONTRIBUTIONS—1940

- 590—A review of the American Fishes of the Family Cirrhitidae. John Tee-Van. *Zoologica*, Vol. XXV, No. 5, pp. 53-64.
- 591—On the Post-embryonic Development of Brachyuran Crabs of the Genus *Ocypode*. Jocelyn Crane. *Zoologica*, Vol. XXV, No. 6, pp. 65-82.
- 592—New Species of British Guiana Heterocera. W. Schaus. *Zoologica*, Vol. XXV, No. 7, pp. 83-88.



FROGFISH—COUSIN OF THE ABYSSAL SEA DEVILS



GRACE AND BEAUTY—A BERMUDA SNAIL

- 593—Caudal Skeleton of Bermuda Shallow Water Fishes. IV. Order Cyprinodontes: Cyprinodontidae, Poecillidae. Gloria Hollister. *Zoologica*, Vol. XXV, No. 9
- 594—Ostriches and Men. William Beebe. *Bull. N. Y. Zool. Soc.*, Vol. XLIII, No. 1, pp. 21-27.
- 595—Sea Dragon Nursery. Jocelyn Crane. *Nature Magazine*, Vol. XXXIII, No. 3, pp. 137-140.
- 596—Wolverines and Men. William Beebe. *Bull. N. Y. Zool. Soc.*, Vol. XLIII, No. 2, pp. 54-59.
- 597—The Bathypelagic Caridean Crustacea. Fenner A. Chace, Jr. *Zoologica*, Vol. XXV, No. 11, pp. 117-209.
- 598—Actiniaria from the Gulf of California. Oskar Carlgren. *Zoologica*, Vol. XXV, No. 12, pp. 211-219.
- 599—Our Building at the World's Fair in 1940. John Tee-Van. *Bull. N. Y. Zool. Soc.*, Vol. XLIII, No. 3, pp. 70-71.
- 600—Camels and Men. William Beebe. *Bull. N. Y. Zool. Soc.*, Vol. XLIII, No. 4, pp. 117-126.
- 601—Medusae of the Templeton Crocker and Eastern Pacific Zaca Expedition, 1936-1938. Henry B. Bigelow. *Zoologica*, Vol. XXV, No. 19, pp. 281-321.
- 602—Notes on Echinoderms from the West Coast of Central America. Hubert Lyman Clark. *Zoologica*, Vol. XXV, No. 22, pp. 331-352.
- 603—A New Grouse Locust of the Genus *Miriatra* from British Guiana. James A. G. Rehn. *Notulae Naturae, Acad. Nat. Sci. Phila.*, No. 25, pp. 1-6.
- 604—The Blattidae of French Guiana. Morgan Hebard. *Proc. Acad. Nat. Sci. Phila.*, Vol. LXXXVIII, pp. 135-244.
- 605—Blattidae in Amazonas. *Arkiv fur Zoologi*, Band 24a, No. 11, pp. 47-71.
- 606—\$12,500 Fares for Crabs. William Beebe. *Bull. N. Y. Zool. Soc.*, Vol. XLIII, No. 5, pp. 167-168.
- 607—Mollusks from the West Coast of Mexico and Central America. Part I. L. G. Hertlein and A. M. Strong. *Zoologica*, Vol. XXV, No. 4, pp. 369-430.
- 608—Horses and Men. William Beebe. *Bull. N. Y. Zool. Soc.*, Vol. XLIII, No. 6, pp. 181-188.
- 609—Fortieth Expedition of the New York Zoological Society. Walter Siefert. *Royal Gazette*, Bermuda, August 27, 1940.
- 610—The Mammals of the Guiana Region, G. H. H. Tate. *Bull. Amer. Mus. Nat. Hist.*, Vol. 76, Art. 5, pp. 151-229.
- 611—Annual Report of the Director, Department of Tropical Research, *Ann. Rept. N. Y. Zool. Soc.*, 1939, pp. 77-86.

SPECIAL EVENTS OF 1941

At the Zoological Park

May 31 to June 26. The Animal Hospital: How animals are cared for.

June 3 to July 31. Wild and domestic types of cattle of the world.
In cooperation with Sheffield Farms and Sealtest, Inc.

June 28 to July 17. The American Eagle.

July 20 to August 17. Animal sculpture, lent by the Metropolitan Museum.

August 18 to August 30. Paintings of birds, by Lloyd Sanford.

August 31 to September 18. Exhibition of prize-winning photographs and selected entries in the Society's second annual amateur photographers' contest.

September 21 to October 9. Exhibition of drawings of animals, by Charles Leidl.

October 12 to October 23. Animal postage stamps.

November 9 to November 20. Exhibition of prize-winning photographs entered in first annual newspaper photographers' contest.

December 7 to December 18. Speed records of animals.

December 21 to January 1. Exhibition of animal drawings by children in public and private schools.

STATEMENT OF FUNDS PROVIDED BY THE VARIOUS CITY ADMINISTRATIONS FOR THE DEVELOPMENT AND MAINTENANCE OF THE ZOOLOGICAL PARK AND AQUARIUM FROM THE ORGANIZATION OF THE SOCIETY TO THE PRESENT—
1896 TO 1941.

MAYOR	COMPTROLLER	Year	MAINTENANCE		CORPORATE STOCK ISSUES	
			Park	Aquarium	Park	Aquarium
Robert A. Van Wyck 1898-1901	Bird S. Coler 1898-1901	1899	\$ 30,000.00	.....	.....	.....
		1900	40,000.00	.....	\$ 125,000.00	.....
		1901	65,000.00	.....	300,000.00	.....
		1902	85,000.00	\$ 5,959.97	250,000.00	.....
Seth Low 1902-1903	E. M. Grout 1902-1903	1903	104,965.00	46,453.68	250,000.00	\$ 30,000.00
		1904	104,965.00	46,439.72	275,000.00	40,000.00
G. B. McClellan 1904-1909	E. M. Grout 1904-1906	1905	134,965.00	44,968.50	275,000.00	.....
		1906	144,965.00	44,987.71	250,000.00	.....
	Herman A. Metz 1907-1909	1907	141,558.75	44,183.87	100,000.00	.....
		1908	154,627.00	44,157.27	65,000.00	.....
		1909	162,325.00	45,971.44	10,000.00	.....
		1910	167,632.00	45,974.86	89,500.00	.....
W. J. Gaynor 1910-1913 Ardolph L. Kline 1913	W. A. Prendergast 1910-1913	1911	174,632.00	47,560.21	155,000.00	.....
		1912	182,365.00	46,597.08	.....	.....
		1913	191,925.00	47,335.62	.....	29,100.00
		1914	200,000.00	46,995.53	.....	.....
J. P. Mitchell 1914-1917	W. A. Prendergast 1914-1917	1915	200,000.00	46,991.66	21,425.00	.....
		1916	197,074.35	46,996.43	.....	.....
		1917	199,560.00	46,903.61	.....	.....
		1918	207,586.00	48,630.71	.....	.....
J. F. Hylan 1918 to 1925	C. L. Craig 1918 to 1925	1919	190,000.00	45,000.00	5,000.00	.....
		1920	250,098.27	53,971.48	15,000.00	.....
		1921	276,951.01	65,203.12	.....	86,000.00
		1922	264,618.05	63,341.26	.....	25,000.00
		1923	264,515.00	59,226.00	.....	.....
		1924	264,514.49	58,309.00	.....	7,970.00
		1925	264,514.49	58,334.00	52,000.00	33,000.00
		1926	274,280.00	62,348.00	.....	1,500.00
James J. Walker 1926 to 1932 John P. O'Brien 1933	Charles W. Berry 1926 to 1933	1927	277,280.00	65,228.00	.....	.....
		1928	319,380.50	88,111.00	.....	.....
		1929	338,359.00	71,232.00	†35,000.00	65,000.00
		1930	350,170.92	81,354.79	50,000.00	.....
		1931	349,459.00	76,167.00	.....	.....
		1932	342,759.00	76,132.00	.....	.....
		1933	271,213.00	69,528.00	.....	.....
		1934	*260,377.88	*67,459.81	.....	.....
Fiorello H. LaGuardia 1934	W. Arthur Cunningham 1934	1935	*266,983.92	*68,212.34	.....	.....
	Joseph D. McGoldrick 1934					
	Frank J. Taylor 1935 to 1937	1936	*266,533.92	*68,812.00	.....	.....
		1937	*268,811.43	*74,552.00	.....	.....
	Joseph D. McGoldrick 1938	1938	*285,722.38	*77,402.00	.....	.....
		1939 (6 Mos.)	141,562.10	38,701.00	.....	.....
		1939-1940	282,897.50	77,057.00	.....	.....
		1940-1941	283,880.00	78,282.00	.....	.....
Totals			\$9,244,026.96	\$2,291,071.67	\$2,322,925.00	\$317,570.00

Note: The appropriations for each year are granted by the Board of Estimate the previous year.
* As modified. † Appropriated for New Public Comfort Station but later rescinded.

SUMMARY OF EXPENDITURES, 1896 TO 1940, NEW YORK ZOOLOGICAL SOCIETY AND THE CITY OF NEW YORK, ON ACCOUNT OF THE DEVELOPMENT AND MAINTENANCE OF THE ZOOLOGICAL PARK AND THE AQUARIUM, INCLUDING THE PURCHASE OF COLLECTIONS AND ALSO FOR THE SCIENTIFIC AND GENERAL PURPOSES OF THIS SOCIETY.

Year	EXPENDED BY THE CITY OF NEW YORK			FROM GATE RECEIPTS		EXPENDED BY THE NEW YORK ZOOLOGICAL SOCIETY											
	Zoological Park Maintenance	Aquarium Maintenance	Bond Issues a/c—Park and Aquarium	Construction and Repairs	Purchase or Animals	Zoological Park Development	Aquarium Improvements	Zoological Park Maintenance	Aquarium Maintenance	Purchase of Animals	Aquarium Specimens	Heads and Horns Collection	Pension Fund Contribution	Library and Paintings	Scientific and General Purposes		
1896						\$ 4,213.63											
1897						6,424.61									\$ 2,903.74		
1898						23,597.80		\$ 1,292.16							4,339.20		
1899	\$ 30,000.00					145,495.80		7,038.61		\$ 8,540.72				\$ 102.76	3,476.02		
1900	40,000.00		\$ 125,000.00		\$ 2,470.88	34,626.24		6,189.33		3,784.32				88.13	5,601.78		
1901	65,000.00		300,000.00		2,998.80	18,348.61		3,714.37		11,652.24				462.20	7,597.16		
1902	85,000.00	\$ 5,959.97	250,000.00		4,256.50	5,908.69		2,757.57		20,983.07				224.73	11,068.69		
1903	104,965.00	46,453.68	280,000.00		5,912.95	1,038.20				20,361.62				456.03	13,608.10		
1904	104,965.00	46,439.72	315,000.00		5,421.90	1,013.87		1,894.37		14,299.61				887.16	15,072.84		
1905	134,965.00	44,968.50	275,000.00		6,849.00	144.00				20,643.40				418.10	18,773.90		
1906	144,965.00	44,987.71	250,000.00		8,132.35	778.48				14,907.36				319.16	17,961.67		
1907	141,558.75	44,183.87	100,000.00		8,248.65	370.72				10,606.03		\$ 892.71		644.05	15,999.68		
1908	154,627.00	44,157.27	65,000.00		9,446.40	232.27				1,850.25		735.77		1,313.87	14,693.92		
1909	162,325.00	45,971.44	10,000.00		9,992.75	2,860.92				9,734.43		7,340.82		609.56	17,168.95		
1910	167,632.00	45,974.86	89,500.00		9,909.90	5,918.35				4,339.25	\$ 973.90	2,036.39		1,021.87	20,627.77		
1911	174,632.00	47,560.21	155,000.00		11,611.15	1,155.00				6,659.89	1,191.80	1,615.38		1,221.26	23,409.39		
1912	182,365.00	46,597.08			11,838.40	40.00				22,750.18	1,350.03	556.94		1,031.55	32,109.01		
1913	191,925.00	47,335.62	29,100.00		12,404.25	218.45				10,665.57	1,850.25	486.00		732.97	32,543.88		
1914	200,000.00	46,995.53		\$ 9,237.81	3,831.15	2,175.13				22,590.44	1,792.99	338.73	\$ 3,333.33	3,541.15	28,246.42		
1915	200,000.00	46,991.66	21,425.00	9,175.86		887.88				13,629.41	1,466.64	1,024.91	8,000.00	4,181.24	31,398.08		
1916	197,074.35	46,996.43		9,599.81		425.30				13,511.12	2,193.57	1,031.47	8,000.00	1,555.12	38,339.99		
1917	199,560.00	46,903.61		3,488.31	7,118.90	1,450.05		11,537.79		10,175.70	1,637.15	18.12	8,000.00	2,869.20	44,262.48		
1918	207,586.00	48,630.71		2,642.70		48.12		1,580.00	\$ 93.61	8,425.92	960.19	18.61	8,000.00	3,559.85	34,125.49		
1919	190,000.00	45,000.00	5,000.00	4,917.84		\$ 3,450.00	\$ 3,450.00	19,924.00	407.07	13,345.59	1,028.05	88.27	8,000.00	1,442.07	45,599.71		
1920	250,098.27	53,971.48	15,000.00	17,438.28		5,007.00	4,095.03	5,141.92		32,761.08	1,654.02	263.86	8,000.00	2,517.64	51,018.20		
1921	276,951.01	65,203.12	86,000.00	25,463.77		88,734.92	53,635.02	6,068.17	976.47	27,442.59	2,165.05	2,661.67	8,000.00	4,698.24	55,684.15		
1922	264,618.05	63,341.26	25,000.00	17,060.00		50,888.65	16,153.03	10,074.88	3,326.28	43,047.41	3,057.91	7,191.93	8,000.00	1,765.78	58,797.69		
1923	262,724.50	57,166.63		18,388.20		5,000.00		19,019.09	3,319.44	24,456.20	1,432.89	1,550.69	8,000.00	3,391.96	58,404.21		
1924	262,471.01	57,319.20	7,970.00	16,806.00			28,233.45	28,956.34	8,097.14	11,560.62	2,013.88	942.34	8,000.00	1,938.77	76,559.41		
1925	262,808.69	58,324.89	85,000.00	19,974.05				38,793.01	4,380.45	20,843.01	2,609.55	667.78	8,000.00	1,174.24	242,753.89		
1926	273,815.12	62,266.20	1,500.00	20,102.90				45,467.10	7,261.21	23,460.04	2,847.35	306.32	8,000.00	562.40	87,915.27		
1927	276,855.19	65,216.89		18,960.48			1,395.00	61,968.22	11,656.97	27,545.92	2,861.55	135.00	8,000.00	2,477.37	82,807.54		
1928	319,380.50	88,109.12		18,106.25		2,480.06		52,676.35	10,776.84	21,001.88	2,912.97	107.89	8,000.00	1,168.15	88,794.37		
1929	338,559.00	71,229.35	100,000.00	21,957.80		13,095.54	984.85	59,673.38	13,670.81	23,783.69	3,572.14	669.48	8,000.00	4,029.63	122,774.78		
1930	350,170.92	81,343.46	50,000.00	20,834.91		20,830.89	375.00	65,600.39	16,966.30	17,492.92	15,555.56	639.04	10,000.00	2,726.37	134,278.88		
1931	349,344.95	76,408.08		14,890.58		5,131.68		65,601.03	19,541.40	24,439.56	3,650.58	1,707.40	10,000.00	6,713.26	128,871.12		
1932	337,490.01	76,071.24		16,710.25		1,852.40		61,127.48	19,155.01	20,039.28	1,934.84	335.00	10,000.00	3,607.97	97,303.32		
1933	268,633.38	67,814.24	5,422.63	13,961.02				62,996.66	18,120.73	7,644.14	2,199.91	118.65	10,000.00	3,384.38	86,757.06		
1934	257,423.08	65,806.61		11,025.88		1,037.19		66,502.59	18,229.23	9,267.86	1,641.06	162.86	10,000.00	606.53	81,711.26		
1935	265,630.94	68,203.46		11,596.51				60,237.94	18,832.57	16,530.28	2,031.56	275.21	10,000.00	383.07	82,929.14		
1936	265,057.37	68,760.95		13,496.42		100.00		57,270.94	17,886.45	20,918.46	2,867.50	178.43	10,000.00	470.18	79,835.73		
1937	267,192.29	73,807.74		11,527.85				56,262.45	16,408.55	22,417.08	2,799.17	24.79	19,047.09	1,415.39	92,609.40		
1938	282,759.71	79,225.20		10,235.70				57,043.10	13,408.11	15,351.51	558.82		20,455.95	431.41	93,543.59		
1939	283,280.81	79,164.23		11,019.23				51,050.57	12,941.70	23,012.27	403.75	175.00	20,475.95	345.30	92,576.90		
1940	282,761.15	78,905.12		8,392.10		102,343.87		57,513.25	12,022.76	39,627.52	577.10		20,069.17	533.85	98,501.09		
Add Premium on Bonds, less Balances Reverting to the City				35,559.89													
Expended in Connection with Preparation and Publication of "A Monograph of the Pheasants"—Gift of Col. Anthony R. Kuser															194,100.00		
Expended in Connection with Galapagos Expedition—Gift of Harrison Williams															98,670.00		
Totals	\$9,076,971.05	\$ 2,249,766.34	\$2,681,477.52	\$377,010.51	\$120,443.93	\$535,544.32	\$108,321.38	\$1,044,973.06	\$247,479.10	\$ 738,480.80	\$59,591.73	\$34,297.46	\$273,381.49	\$71,023.92	\$2,766,124.87		
\$14,008,214.91			\$497,454.44			\$5,879,218.13											

CLASSIFIED SUMMARY FOR THE YEAR 1940, NEW YORK ZOOLOGICAL SOCIETY

	PARK MAINTENANCE From City Funds		AQUARIUM MAINTENANCE From City Funds		NEW YORK ZOOLOGICAL SOCIETY FUNDS				GRAND TOTAL	
	Salaries	Other Items	Salaries	Other Items	Special Funds		General Income Fund		Salaries	Other Items
					Salaries	Other Items	Salaries	Other Items		
Zoological Park: Maintenance by City	\$215,362.27	\$67,398.88	.....	.....	.....	.....	.....	.....	\$215,362.27	\$ 67,398.88
GATE RECEIPTS										
Improvements and Repairs	\$8,392.10	.....	.....	.....	8,392.10	.....
CONTRIBUTIONS BY SOCIETY										
Maintenance	\$ 51,239.19	\$ 6,274.06	51,239.19	6,274.06
Administration	13,620.26	6,838.57	13,620.26	6,838.57
Purchase of Animals	\$ 39,627.52	.....	.....	.....	39,627.52
Special Projects	104,368.87	.....	.....	.....	104,368.87
Membership Expenses	3,270.51	.....	3,270.51
Educational Activities	4,469.33	705.98	4,469.33	705.98
Conservation Activities	3,548.81	.....	.....	.....	3,548.81
Insurance	2,860.42	.....	2,860.42
Pension Contributions	383.00	26,135.11	383.00	26,135.11
Miscellaneous Expenditures	4,820.52	799.97	6,039.29	799.97	10,859.81
Scientific Purposes	1,450.70	521.87	25,185.54	11,579.26	26,636.24	12,101.13
Aquarium: Maintenance by City	\$64,943.45	\$13,961.67	.....	.....	.....	.....	64,943.45	13,961.67
CONTRIBUTIONS BY SOCIETY										
Maintenance	11,922.76	100.00	11,922.76	100.00
Insurance	1,031.05	.....	1,031.05
Aquarium Specimens	577.10	.....	.....	.....	577.10
Miscellaneous Expenditures	131.61	.....	131.61
Aquarium Research	3,687.31	.....	.....	.....	3,687.31
Totals	\$215,362.27	\$67,398.88	\$64,943.45	\$13,961.67	\$9,842.80	\$157,152.00	\$107,620.05	\$64,965.86	\$397,768.57	\$303,478.41
Totals by Funds	\$282,761.15		\$78,905.12		\$166,994.80		\$172,585.91		\$701,246.98	

TREASURER'S REPORTS

For the Year Ending December 31, 1940

CORNELIUS R. AGNEW, *Treasurer*

630 Fifth Avenue

New York City

BALANCE SHEET

December 31, 1940

(Prepared on a Cash Basis Except as to Items Affecting Appropriations
Made by the City of New York)

ASSETS

Cash:

In Banks	\$ 75,615.21	
On Hand	250.00	
		<u>75,865.21</u>

Accounts Receivable:

Due from the City of New York on Account of:

Park Maintenance Appropriation—Six Months to June 30, 1940	\$ 4,000.00	
Park Maintenance Appropriation—Six Months to December 31, 1940	39,456.20	
Aquarium Maintenance Appropriation—Six Months to December 31, 1940	<u>10,387.88</u>	<u>53,844.08</u>

Additional Appropriation Requested for the Period from
January 1 to June 30, 1940—Approval Pending:

Aquarium Maintenance	2,782.46
----------------------------	----------

Investments Carried on the Books at Cost or Bequest
Values:

Bonds (Approximate Market Value \$1,168,463.10)	1,447,755.08	
Preferred and Guaranteed Stocks (Approximate Market Value, \$823,383.75)	840,348.79	
Common Stocks (Approximate Market Value \$1,313,745.75)	1,462,504.22	
Miscellaneous	<u>4,850.00</u>	<u>3,755,458.09</u>

Investments set apart for use, benefit and purposes of
the Pension Fund on January 1, 1937, Carried at
then Market Values with Reinvestments at Cost
(Approximate Market Value, December 31, 1940,
\$199,523.75)

232,475.75

\$4,120,425.59

Note: Animals and other living specimens,
heads, horns, which have not been valued
and other sundry property are not included
in this Balance Sheet.

LIABILITIES

Accounts Payable:

Park Maintenance	\$ 7,276.31
Aquarium Maintenance	1,284.36
	<hr/>
	8,560.67

Fund Reserves:

General and Other Invested Funds, Schedule 1.....	\$3,686,244.31
Permanent Wild Life Protection Fund	125,826.45
William E. Damon Fund	10,593.08
Endowment for Pension Fund	239,523.45

Special Funds:

Aquarium Research Account	\$ 3,244.40	
Improvement and Repair Account.....	808.81	
Conservation Account	14,260.99	
New Equipment Account	3,491.46	
Special Projects Account	18,327.23	
Animal Account	9,544.74	49,677.63
	<hr/>	<hr/>

4,111,864.92

\$4,120,425.59

GENERAL AND OTHER INVESTED FUND RESERVES

General Invested Fund Reserves:

General Fund	\$ 637,128.84
Anna M. Harkness Fund	1,072,803.14
Rockefeller Fund	1,017,047.21
Sage Fund	665,357.87
George F. Baker Fund	110,002.90
Jacob H. Schiff Fund	107,451.61
Ladies' Auxiliary Fund	5,690.27

Total General Invested Fund Reserves	3,615,481.84
--	--------------

Other Invested Fund Reserves:

Cadwalader Animal Fund	\$ 20,050.66
Florence Lydig Sturgis Fund	19,839.99
Stokes Bird Fund	5,825.95
Grant Fund for the Protection of Wild Life	25,045.87

Total Other Invested Fund Reserves	70,762.47
--	-----------

Total General and Other Invested Fund Reserves.....	\$3,686,244.31
---	----------------

Note: Sale or redemption of securities during the year resulted in a net profit of \$6,846.40 which has been allocated to the various funds.

MAINTENANCE FUND—ZOOLOGICAL PARK ACCOUNT

Received from City of New York on Account of Park

Maintenance Appropriation:

For the Period from January 1 to June 30, 1940	\$134,016.26
For the Period from July 1 to December 31, 1940	105,288.69
	239,304.95

Budget Appropriation—January 1 to June 30, 1940	\$139,904.14
---	--------------

Collection by City on Account of Workmen's Compensation	
---	--

Insurance	318.53
-----------------	--------

140,222.67

Less Reverting to the City of New York	2,206.41
--	----------

138,016.26

Budget Appropriation—Year to June 30, 1941	283,880.00
--	------------

Due from the City of New York on Account of Park Maintenance:

For the Period from January 1 to June 30, 1940	4,000.00	
For the Period from July 1 to December 31, 1940	39,456.20	43,456.20

Deficit in City Maintenance Appropriation (Paid by the New York Zoological Society):

For the Period from January 1 to June 30, 1940	27,705.85	
For the Period from July 1 to December 31, 1940	29,807.40	57,513.25

340,274.40

MAINTENANCE FUND—ZOOLOGICAL PARK ACCOUNT
Continued

Expenditures (See Details Below):

For the Period from January 1 to June 30, 1940	165,722.11
For the Period from July 1 to December 31, 1940	174,552.29
	<u>340,274.40</u>

Expenditures—July 1 to December 31, 1940 174,552.29

Deficit in City Maintenance Appropriation (Paid by the
New York Zoological Society):

For the Period from July 1 to December 31, 1940 29,807.40

144,744.89

Balance of City Appropriation Available for Expenditure for
Period from January 1 to June 30, 1941

139,135.11

Budget Appropriation—Year to June 30, 1941..... \$283,880.00

Jan. 1 to Jun. 30, 1940	Jul. 1 to Dec. 31, 1940
-------------------------------	-------------------------------

Expenditures:

Salaries	\$107,201.36	\$108,160.91
Salaries and Wages in Excess of City Appropriations.....	22,814.90	28,424.29
Forage and Veterinary Supplies	15,067.00	16,468.06
Fuel Supplies	9,181.17	6,553.82
Office Supplies	441.23	900.30
Medical and Surgical Supplies	73.18	277.43
Cleaning and Disinfectant Supplies	174.07	241.57
Motor Vehicle Supplies	258.06	304.34
General Plant Supplies	777.69	1,687.75
Uniforms and Wearing Apparel	56.84	173.38
Office Equipment	52.63	46.59
Motor Vehicle Equipment	119.45	95.27
General Plant Equipment	1,776.88	1,354.93
Motor Vehicle Materials	96.49	29.18
General Plant Materials	4,114.84	5,867.66
General Repairs and Replacements	2,022.28	2,494.58
Motor Vehicle Repairs	34.13	54.28
Electric Service	18.76	12.89
Telephone Service	933.02	1,223.07
Contingencies	508.13	181.99

Total Expenditures	<u>165,722.11</u>	<u>174,552.29</u>
--------------------------	-------------------	-------------------

Total Expenditures for Year 1940	<u>\$340,274.40</u>
--	---------------------

MAINTENANCE FUND—AQUARIUM ACCOUNT

Received from City of New York on Account of Aquarium Maintenance Appropriation:		
For the Period from January 1 to June 30, 1940.....		\$ 37,032.55
For the Period from July 1 to December 31, 1940.....		28,702.23
		<hr/> 65,734.78
Budget Appropriation—January 1 to June 30, 1940.....	\$ 37,067.65	
Less Reverting to the City of New York.....	35.10	
	<hr/> 37,032.55	
Budget Appropriation—Year to June 30, 1941	<hr/> 78,282.00	
Due from the City of New York on account of Aquarium Maintenance:		
For the Period from January 1 to June 30, 1940	—	
For the Period from July 1 to December 31, 1940	10,387.88	10,387.88
	<hr/> 10,387.88	
Additional Appropriation Requested for the Period from January 1 to June 30, 1940—Approval Pending		2,782.46
Deficit in City Maintenance Appropriation (Paid by the New York Zoological Society):		
For the Period from January 1 to June 30, 1940	6,402.36	
For the Period from July 1 to December 31, 1940	5,620.40	
	<hr/> 12,022.76	
	<hr/> 90,927.88	
Expenditures (See Details on Following Page):		
For the Period from January 1 to June 30, 1940		46,217.37
For the Period from July 1 to December 31, 1940		44,710.51
		<hr/> 90,927.88
Expenditures—July 1 to December 31, 1940	44,710.51	
Deficit in City Maintenance Appropriation (Paid by the New York Zoological Society):		
For the Period from July 1 to December 31, 1940	5,620.40	
	<hr/> 5,620.40	
	39,090.11	
Balance of City Appropriation Available for Expenditure for Period from January 1 to June 30, 1941	39,191.89	
	<hr/> 39,191.89	
Budget Appropriation—Year to June 30, 1941	\$ 78,282.00	
	<hr/> 78,282.00	

MAINTENANCE FUND—AQUARIUM ACCOUNT, *Continued*

	Jan. 1 to Jun. 30, 1940	Jul. 1 to Dec. 31, 1940
Expenditures:		
Salaries and Wages	\$ 32,362.40	\$ 32,581.05
Salaries and Wages in Excess of City Appropriations.....	6,402.36	5,520.40
Forage and Veterinary Supplies	1,905.35	1,709.60
Fuel Supplies	2,567.53	1,112.41
Office Supplies	96.65	138.76
Laundry, Cleaning and Disinfectant Supplies	189.81	90.39
Refrigerating Supplies	98.11	95.40
General Plant Supplies	350.20	306.49
Wearing Apparel	28.81	36.00
Office Equipment	60.21	97.13
General Plant Equipment	756.60	628.60
General Plant Materials	228.55	987.31
Repairs and Replacements	707.03	1,084.34
Telephone Service	200.88	162.45
Expressage and Cartage	201.90	137.19
Contingencies	60.98	22.99
Total Expenditures	<u>46,217.37</u>	<u>44,710.51</u>
Total Expenditures for Year 1940	<u>\$ 90,927.88</u>	

GENERAL FUND

Balance December 31, 1939	\$551,358.66
Add:	
Estate of Helen C. Inslee	4,846.94
Life Memberships	750.00
Net Profit on Sale or Redemption of Securities	1,213.20
Transfer from Biological Laboratory Construction	42,610.02
Transfer from Studio and Auditorium	26,522.23
Transfer from General Income Account	10,097.79
Balance December 31, 1940	<u>\$637,128.84</u>

GENERAL INCOME ACCOUNT

Receipts:

Income from Investments—General Invested Funds.....	\$161,376.59
Income from Endowment for Pensions	9,940.00
Annual Dues	6,010.64

Donations:

American Museum of Natural History	\$ 400.00	
W. Redmond Cross	542.75	
Junior Auxiliary	870.54	1,813.29

Sale of Annual Reports	10.45
------------------------------	-------

Transfers:

Art Gallery Account	4,637.56	
Library Account	903.78	
Heads and Horns Collection Account	2,585.48	
Publication Account	3,587.06	
Revolving Publication Account	2,005.77	13,719.65

192,870.62

Expenditures:

General Office Expenses	3,716.70
Stationery, Printing and Office Supplies	1,399.42
Salaries of Officers	8,131.88
Salary of Bursar	1,200.00
Bank's Fee as Assistant Treasurer and Custodian	2,500.00
Audit of Accounts	2,000.00
Annual Report	3,510.83
Annual Meeting	2,104.01
Reception Expense	1,166.50
Legal Fees	2,165.77
Educational Activities	5,175.31
Insurance—Zoological Park	2,860.42
Insurance—Aquarium	1,031.05

Aquarium Expenses	131.61
-------------------------	--------

Publication Expense

Bulletin	8,625.67	
Zoologica	6,229.34	
"Serpents of Northeastern States"	62.15	
Photographs and Slides	4,606.84	19,524.00

Park Hospital Laboratory Expense	2,540.80
--	----------

Tropical Research Expenditure	16,152.76	
Less Contributed by Dr. William Beebe	1,452.76	14,700.00

Pension Fund—3½% on Earmarked Fund	8,400.00	
Pension Fund—4% on Salaries of Members	11,669.17	
Pension Fund Administration	383.00	
Auxiliary Pensions	6,065.94	
Aid to Employees and Hospitals	500.00	27,018.11

Miscellaneous Expenses	2,173.49
------------------------------	----------

103,049.90

GENERAL INCOME ACCOUNT, *Continued*

Transfers (Net):		
Zoological Park Maintenance Salaries	51,239.19	
Zoological Park Maintenance Supplies	6,274.06	
Aquarium Maintenance Salaries	11,922.76	
Aquarium Maintenance Supplies	100.00	
Aquarium Research	1,936.92	
New Equipment	8,250.00	79,722.93
		<hr/>
		182,772.83
Balance Transferred to General Fund		10,097.79
		<hr/>
		<u>\$192,870.62</u>

CADWALADER ANIMAL FUND

Funds, December 31, 1939:		
Investments at Cost	\$ 26,173.20	
Balance	1,115.39	\$ 27,288.59

RECEIPTS

Profit on Sale of Securities	50.66
	<hr/>
	<u>27,339.25</u>

EXPENDITURES

Animal Account (Transfer)	7,288.59
Funds, December 31, 1940: Investments at Cost	20,050.66
	<hr/>
	<u>27,339.25</u>

WILLIAM E. DAMON FUND

Funds December 31, 1939:		
Investments at Cost	\$ 10,336.00	
Unexpended Balance	444.18	
		<hr/>
		10,780.18

Receipts:

Income from Investments	390.00
	<hr/>
	<u>11,170.18</u>

Expenditures—Aquarium Specimens	577.10
---------------------------------------	--------

Funds December 31, 1940:		
Investments at Cost	\$ 10,336.00	
Unexpended Balance	257.08	10,593.08
		<hr/>
		<u>\$ 11,170.18</u>

PERMANENT WILD LIFE PROTECTION FUND

Funds December 31, 1939:

Investments at Cost	\$125,420.70
Uninvested Balance	405.75
	<hr/>
	\$125,826.45
	<hr/>

Funds December 31, 1940:

Investments at Cost	125,488.70
Uninvested Balance	337.75
	<hr/>
	\$125,826.45
	<hr/>

ENDOWMENT FOR PENSION FUND

Funds December 31, 1939:

Investments—Market Value at Date of Transfer and Reinvestments at Cost	\$239,410.25
Uninvested Balance	298.20
	<hr/>
	239,708.45
	<hr/>
Loss on Sale of Securities	185.00

Funds December 31, 1940:

Investments—Market Value at Date of Transfer and Reinvestments at Cost	\$232,475.75	
Uninvested Balance	7,047.70	239,523.45
	<hr/>	<hr/>
		\$239,708.45
		<hr/>

ANIMAL ACCOUNT

Balance Transferred from General and Other Invested Funds as of January 1, 1940		\$ 37,174.73
Transfer of Accumulated Income from Investments of Cadwalader Animal Fund		7,288.59
		<u>44,463.32</u>
Receipts:		
J. Watson Webb	\$ 250.00	
Income from Investments	1,120.08	
Income from Cadwalader Animal Fund	1,378.48	
Sale of Animals	1,899.00	
Miscellaneous	61.38	4,708.94
		<u>49,172.26</u>
Expenditures:		
Purchase of:		
Mammals		27,999.86
Birds		4,534.78
Reptiles		4,468.34
Insects		5.75
		<u>37,008.73</u>
Express and Other Charges	2,282.15	
Traveling and Other Expenses	336.64	2,618.79
		<u>39,627.52</u>
Unexpended Balance December 31, 1940		9,544.74
		<u>\$ 49,172.26</u>

NEW EQUIPMENT ACCOUNT

Receipts—General Income Fund (Transfer)	\$ 8,250.00
Expenditures—Purchases of New Equipment	4,758.54
Unexpended Balance December 31, 1940	3,491.46
	<u>\$ 8,250.00</u>

SPECIAL PROJECTS ACCOUNT

Unexpended Balance December 31, 1939, Transferred from Special Improvement Account		\$ 2,801.26
Receipts:		
Mrs. John D. Rockefeller, Jr.	\$ 750.00	
Rockefeller Foundation	1,500.00	
Anonymous	105,000.00	
David McAlpin	1,000.00	
Laurance S. Rockefeller	9,500.00	
L. K. Thorne	222.42	
J. Watson Webb	222.42	
Childs Frick	500.00	
Heads and Horns Collection Account (Transfer)	1,200.00	119,894.84
		<u>122,696.10</u>
Expenditures:		
Architect's Fees	\$ 3,695.76	
Bird House Improvements	1,277.81	
Motion Picture Project	2,025.00	
African Plains	94,245.42	
Farm Group	500.00	
Miscellaneous	2,624.88	104,368.87
		<u>18,327.23</u>
Unexpended Balance December 31, 1940		<u>\$122,696.10</u>

REVOLVING PUBLICATION ACCOUNT

Unexpended Balance December 31, 1939		\$ 1,945.04
Receipts:		
Sale of "Present Day Mammals"	\$ 15.00	
Sale of "American Bison"	45.73	60.73
		<u>2,005.77</u>
Expenditures:		
Transfer to General Income Account		<u>\$ 2,005.77</u>

IMPROVEMENT AND REPAIR ACCOUNT

Unexpended Balance December 31, 1939	\$ 1,091.71
Gate Receipts	8,109.20
	<u>9,200.91</u>
Expenditures:	
Boilers, Cages and Concrete Work	468.75
Fences, Guard Wires and Gardening	976.11
Painting, Walks and Miscellaneous	6,947.24
	<u>8,392.10</u>
Unexpended Balance December 31, 1940	808.81
	<u>\$ 9,200.91</u>

AQUARIUM RESEARCH ACCOUNT

Funds December 31, 1939:		
New York Savings Bank (Deposit)	\$ 3,060.61	
Unexpended Balance	873.66	
		<u>3,934.27</u>
Receipts:		
Ralph Friedman	\$ 1,000.00	
General Income Fund (Net Transfer)	1,936.92	
Interest on Savings Bank Balance	60.52	2,997.44
		<u>6,931.71</u>
Expenditures—Aquarium Research Expenses		3,687.31
Funds December 31, 1940:		
New York Savings Bank (Deposit)	3,045.22	
Unexpended Balance	199.18	3,244.40
		<u>\$ 6,931.71</u>

*New York Zoological Society***CONSERVATION ACCOUNT**

Unexpended Balance December 31, 1939		\$ 11,802.14
Receipts:		
Income, Permanent Wild Life Protection Fund	\$ 5,262.78	
Income, Stokes Bird Endowment Fund	242.36	
Income, Grant Fund for the Protection of Wild Life	502.52	6,007.66
		<u>17,809.80</u>
Expenditures—Conservation Activities		3,548.81
Unexpended Balance December 31, 1940		14,260.99
		<u>\$17,809.80</u>

ART GALLERY ACCOUNT

Unexpended Balance December 31, 1939	\$ 4,699.54
Expenditures:	
Miscellaneous Expenses	61.98
Transfer to General Income Account	4,637.56
	<u>\$ 4,699.54</u>

HEADS AND HORNS COLLECTION ACCOUNT

Unexpended Balance December 31, 1939	\$ 3,785.48
Expenditures:	
Transfer to Special Projects Account	1,200.00
Transfer to General Income Account	2,585.48
	<u>\$ 3,785.48</u>

LIBRARY ACCOUNT

Unexpended Balance December 31, 1939	\$ 1,375.65
Expenditures:	
Books, Pamphlets, etc.	191.47
Subscriptions to Periodicals	264.63
Miscellaneous Expenses	15.77
	<u>471.87</u>
Transfer to General Income Account	903.78
	<u>\$ 1,375.65</u>

THE PENSION FUND, FOUNDED BY ANDREW CARNEGIE
For the Year Ended December 31, 1940

Funds December 31, 1939:

Carnegie Pension Endowment Account:

Investments at Cost	\$ 96,060.00
Uninvested Balance	4,697.96
	<u>100,757.96</u>

Other Pension Funds:

Investments at Cost	\$249,393.95	
Uninvested Balance	41,354.16	290,748.11
		<u>391,506.07</u>

Receipts:

Dividends from Stock Investments	8,711.26
Interest on Bond Investments	7,402.29
Dues from New York Zoological Society Employees	8,759.95
Profit from Called or Sold Securities	330.00
Contributed by New York Zoological Society:	
Four Per Cent of Employees' Salaries	\$11,669.17
Income on Endowment for Pension Fund	8,400.00
	<u>20,069.17</u>
	45,272.67

Expenditures:

Refunds Account of Resignations	6,713.54
Pension Disbursements	29,394.35
	<u>36,107.89</u>

Excess of Receipts over Expenditures 9,164.78

Balance December 31, 1940 400,670.85

Accounted for as Follows:

Investments at Cost (Quoted Market Value \$341,175.25)	386,993.12
Uninvested Balance	13,677.73
	<u>\$400,670.85</u>

Note: By resolution of the Executive Committee adopted December 29, 1936, a special fund amounting to \$239,523.45 at December 31, 1940, was set apart from the General Invested Funds of the New York Zoological Society for the use, benefit and purposes of the Pension Fund in accordance with the conditions stated in the resolution.

CORNELIUS R. AGNEW,
Treasurer.

PEAT, MARWICK, MITCHELL & CO.
CERTIFIED PUBLIC ACCOUNTANTS

Seventy Pine Street
New York, N. Y.

ACCOUNTANTS' REPORT

Mr. George C. Clark, Chairman, Auditing Committee,
New York Zoological Society, New York, N. Y.

We have examined the Balance Sheet of the New York Zoological Society as at December 31, 1940 and the statements of the transactions of the various funds of the Society and of the Pension Fund for the year ended on that date, have reviewed the system of internal control and the accounting procedures, examined the accounting records and other supporting evidence, and obtained information and explanations from officials and employees of the Society.

The subscriptions, donations and dues reported as received and income from investments have been properly accounted for. The securities and cash balances as at December 31, 1940, as shown in the accounts of the funds presented herewith, have been checked and found in agreement with a list of securities obtained from the custodians and acknowledgments of bank balances obtained from the depositaries. Satisfactory vouchers have been produced in support of the expenditures.

In our opinion, the accompanying Balance Sheet and supporting schedules and related statement of general receipts and expenditures which are prepared on the basis of cash receipts and disbursements with the exception that the amounts due from the City of New York and the accounts payable pertaining to the Maintenance Funds have been accrued, present fairly the condition of the funds as at December 31, 1940, and the transactions relating to the funds of the Society and the Pension Fund for the year then ended.

PEAT, MARWICK, MITCHELL & CO.

New York, N. Y.,
February 6, 1941.

REPORT OF THE AUDITING COMMITTEE OF THE NEW YORK
ZOOLOGICAL SOCIETY

To the President and Board of Trustees
of the New York Zoological Society

Dear Sirs:—

We would report that we have examined the annual audit of the books and accounts of the New York Zoological Society for the year ending December 31, 1940, made by Messrs. Peat, Marwick, Mitchell & Co., accountants and auditors, and herewith submit the same to you as a complete and satisfactory audit of said books and accounts, including the General Endowment Fund, Special Endowment Funds, Income Fund, the Pension Fund Account and the Privilege Account, it appearing that all expenditures and receipts of the various accounts are fully set forth therein, that the cash on hand and at the various depositories has been verified and found correct, and that all securities in which the funds of the Society are invested have been accounted for as reported.

Respectfully submitted,

GEORGE B. CLARK, Chairman

C. SUYDAM CUTTING

WARREN KINNEY

February 21, 1941

NEW YORK ZOOLOGICAL SOCIETY

Organized 1895

PRESIDENTS

I. ANDREW H. GREEN	1895 to 1897
II. LEVI P. MORTON	1897 to 1909
III. HENRY FAIRFIELD OSBORN	1909 to 1925
IV. MADISON GRANT	1925 to 1937
V. W. REDMOND CROSS	1937 to 1940
VI. FAIRFIELD OSBORN	1940

FIRST VICE-PRESIDENTS

I. J. HAMPTON ROBB	1895 to 1897
II. HENRY FAIRFIELD OSBORN	1897 to 1909
III. SAMUEL THORNE	1909 to 1916
IV. MADISON GRANT	1916 to 1925
V. FRANK K. STURGIS	1925 to 1932
VI. W. REDMOND CROSS	1932 to 1937
VII. KERMIT ROOSEVELT	1937 to 1939
VIII. ALFRED ELY	1939

SECOND VICE-PRESIDENTS

I. CHARLES E. WHITEHEAD	1895 to 1902
II. JOHN L. CADWALADER	1902 to 1915
III. MADISON GRANT	1915 to 1916
IV. FRANK K. STURGIS	1916 to 1925
V. HENRY D. WHITON	1925 to 1930
VI. KERMIT ROOSEVELT	1930 to 1937
VII. ALFRED ELY	1937 to 1939
VIII. LAURANCE S. ROCKEFELLER	1939

TREASURERS

I. L. V. F. RANDOLPH	1895 to 1901
II. CHARLES T. BARNEY	1901 to 1903
III. PERCY RIVINGTON PYNE	1903 to 1922
IV. CORNELIUS R. AGNEW	1922

SECRETARIES

I. MADISON GRANT	1895 to 1925
II. WILLIAM WHITE NILES	1925 to 1935
III. FAIRFIELD OSBORN	1935 to 1940

CHAIRMEN, EXECUTIVE COMMITTEE

I. CHARLES E. WHITEHEAD	1895 to 1896
II. HENRY FAIRFIELD OSBORN	1896 to 1903
III. CHARLES T. BARNEY	1903 to 1907
IV. HENRY FAIRFIELD OSBORN	1907 to 1909
V. MADISON GRANT	1909 to 1937
VI. W. REDMOND CROSS	1937 to 1940
VII. LAURANCE S. ROCKEFELLER	1940

DIRECTORS

I. WILLIAM T. HORNADAY, <i>Zoological Park</i>	1896 to 1926
II. CHARLES H. TOWNSEND, <i>New York Aquarium</i>	1902 to 1937
III. W. REID BLAIR, <i>Zoological Park</i>	1926 to 1940
IV. CHARLES M. BREDER, Jr., <i>New York Aquarium</i>	1937

GENERAL DIRECTOR

ZOOLOGICAL PARK AND AQUARIUM

I. ALLYN R. JENNINGS	1940
----------------------------	------

BOARD OF TRUSTEES

City of New York { HON. FIORELLO H. LAGUARDIA, *The Mayor*
Ex-officio { HON. ROBERT MOSES, *Commissioner of Parks*

Class of 1942

CORNELIUS R. AGNEW	CHILDS FRICK
VINCENT ASTOR	ARCHER M. HUNTINGTON
C. SUYDAM CUTTING	DAVID H. MCALPIN
ALFRED ELY	CLENDENIN J. RYAN
MARSHALL FIELD	HERBERT L. SATTERLEE
	HARRISON WILLIAMS

Class of 1943

GEORGE GORDON BATTLE	ROBERT GORDON MCKAY
GEORGE C. CLARK	FAIRFIELD OSBORN
F. TRUBEE DAVISON	LAURANCE S. ROCKEFELLER
BAYARD DOMINICK	KERMIT ROOSEVELT
JAY DOWNER	JOHN M. SCHIFF
	FREDERIC C. WALCOTT

Class of 1944

ARCHIBALD S. ALEXANDER	WARREN KINNEY
HARRY PAYNE BINGHAM	WILLIAM DE FOREST MANICE
DOUGLAS BURDEN	DEAN SAGE, JR.
A. RAYMOND DOCHEZ	LONDON K. THORNE
DE FOREST GRANT	J. WATSON WEBB

OFFICERS OF THE SOCIETY

General Office: 630 Fifth Avenue, New York, N. Y.

FAIRFIELD OSBORN, *President*

ALFRED ELY, *First Vice-President*

LAURANCE S. ROCKEFELLER, *Second Vice-President*

CORNELIUS R. AGNEW, *Treasurer*

THE CITY BANK FARMERS TRUST COMPANY, *Assistant Treasurer*

EXECUTIVE COMMITTEE

LAURANCE S. ROCKEFELLER, *Chairman*

CORNELIUS R. AGNEW

MARSHALL FIELD

GEORGE C. CLARK

DE FOREST GRANT

C. SUYDAM CUTTING

DAVID H. McALPIN

ALFRED ELY

ROBERT MOSES

FAIRFIELD OSBORN

PENSION BOARD

FAIRFIELD OSBORN

ALFRED ELY

CORNELIUS R. AGNEW

WARREN KINNEY

LEE S. CRANDALL

ALLYN R. JENNINGS

GEORGE C. CLARK

CHARLES M. BREDER, JR.

COMMITTEES OF THE SOCIETY

Nominating Committee for Board of Trustees

LOUIS F. BISHOP, JR.
E. ROLAND HARRIMAN
SAMUEL THORNE

Editorial Committee

FAIRFIELD OSBORN, *Chairman*

WILLIAM BEEBE	JEAN DELACOUR
CHARLES M. BREDER, JR.	ALLYN R. JENNINGS
WILLIAM BRIDGES	HARRY SWEENEY, JR.

Art Committee

DAVID MCALPIN, *Chairman*

HARRY SWEENEY, JR., *Executive Chairman*

MRS. FAIRFIELD OSBORN	MRS. JULIANA FORCE
WHEELER WILLIAMS	

Heads and Horns Committee

ALFRED ELY, *Chairman*

LAURANCE S. ROCKEFELLER	F. HARRINGTON WEEMS
-------------------------	---------------------

Finance Committee

GEORGE C. CLARK, *Chairman*

DE FOREST GRANT	FAIRFIELD OSBORN
LONDON K. THORNE	

Auditing Committee

GEORGE C. CLARK, *Chairman*

C. SUYDAM CUTTING	WARREN KINNEY
-------------------	---------------

Conservation Committee

CHILDS FRICK, *Chairman*

LAURANCE S. ROCKEFELLER	WARREN KINNEY
-------------------------	---------------

EXECUTIVE STAFF

GENERAL OFFICERS ZOOLOGICAL PARK AND AQUARIUM

ALLYN R. JENNINGS, *General Director*
HARRY SWEENEY, JR., *Assistant General Director*
JEAN DELACOUR, *Consultant*

ZOOLOGICAL PARK

W. REID BLAIR, *Director Emeritus*
WILLIAM BEEBE, *Honorary Curator, Birds*
WILLIAM BRIDGES, *Editor and Curator, Publications*
LEE S. CRANDALL, *Curator, Birds*
RAYMOND L. DITMARS, *Curator, Reptiles and Insects; Honorary Curator, Mammals*
LEONARD J. GOSS, *Curator, Health*
CLAUDE W. LEISTER, *Curator, Mammals and Educational Activities*

AQUARIUM

CHARLES H. TOWNSEND, *Director Emeritus*
CHARLES M. BREDER, JR., *Director*
CHRISTOPHER W. COATES, *Aquarist*
ROSS F. NIGRELLI, *Pathologist*
GEORGE M. SMITH, *Research Associate in Pathology*
HOMER W. SMITH, *Research Associate in Physiology*

DEPARTMENT OF TROPICAL RESEARCH

WILLIAM BEEBE, *Director*
JOCELYN CRANE, *Technical Associate*
WILLIAM K. GREGORY, *Scientific Associate*
GLORIA HOLLISTER, *Research Associate*
JOHN TEE-VAN, *General Associate*
FREDERICK M. EISNER, *Chief Clerk*

MEMBERSHIP IN THE NEW YORK ZOOLOGICAL SOCIETY

THE New York Zoological Society was founded in 1895 for the establishment of a Zoological Park, for the conservation of the animal life of the world, and for the promotion of zoology through exhibition, research, exploration and publication. Since 1902 it has been entrusted with the direction of the New York Aquarium.

Membership is actively invited by all persons who are interested in the objects of the Society and desire to contribute toward its support.

Annual Membership is \$10. This entitles the holder to a Member's card and 10 guest tickets of admission to the Zoological Park on pay days; a copy of the Annual Report; a subscription to the bi-monthly *Bulletin*; privileges of the Library and to attend all open meetings of the Society.

Annual Members may become Life Members by the payment of \$200. Other classes of membership are: Patron, \$1,000; Associate Founder, \$2,500; Founder, \$5,000; Founder in Perpetuity, \$10,000; Benefactor, \$25,000.

Applications for membership may be submitted to any officer of the Society or to the Society's general office at 630 Fifth avenue, New York, N.Y.

FORM OF BEQUEST

I do hereby give and bequeath to the "New York Zoological Society,"
of the City of New York.....
.....
.....

FORMER MEMBERS OF
NEW YORK ZOOLOGICAL SOCIETY

BENEFACTORS

BAKER, GEORGE F.
CADWALADER, JOHN L.
CARNEGIE, ANDREW
CONVERSE, E. C.
DICKERMAN, WATSON B.
DODGE, CLEVELAND H.
DU PONT, T. COLEMAN
GOULD, EDWIN
HARKNESS, EDWARD S.

JESUP, MRS. MORRIS K.
KUSER, COL. ANTHONY R.
MORGAN, J. P.
ROCKEFELLER, WILLIAM
SAGE, MRS. RUSSELL
SCHIFF, JACOB H.
SCHIFF, MORTIMER L.
THOMPSON, MRS. FREDERIC F.
THORNE, SAMUEL

FOUNDERS IN PERPETUITY

ARCHBOLD, JOHN D.
BARNEY, CHARLES T.
BOURNE, FREDERICK G.
BREWSTER, ROBERT S.
DIETERICH, CHARLES F.
GOULD, GEORGE J.
HILL, JAMES J.
IDEN, HENRY
KITCHING, MRS. FRANK W.
KITCHING, FRANK W.
McMILLIN, EMERSON
MACKAY, CLARENCE H.
MILLS, OGDEN

MORTON, HON. LEVI P.
PRATT, GEORGE D.
PYNE, PERCY R.
RINEHART, MRS. GRATIA H.
ROBINSON, NELSON
ROCKEFELLER, JOHN D.
RUSS, EDWARD
STEWART, LISPENARD
STURGIS, MRS. FRANK K.
TAYLOR, HENRY A. C.
THORNE, MISS PHOEBE ANNA
WHITNEY, HON. WILLIAM C.
WHITON, HENRY D.

FOUNDERS

AVERY, SAMUEL P.
BARNES, JOHN S.
BERWIND, EDWARD J.
BERWIND, JOHN E.
CHISHOLM, HUGH J.
CLARK, GEORGE CRAWFORD
CROSS, W. REDMOND
DODGE, WILLIAM E.
GOELET, ROBERT
HEPBURN, A. BARTON
HUNTINGTON, C. P.
MORRIS, DR. LEWIS RUTHERFURD
NESBITT, ABRAM G.
OTTENDORFER, OSWALD
PARSONS, H. DE B.

PAYNE, COL. OLIVER H.
PERKINS, GEORGE W.
RAINEY, PAUL J.
SCHERMERHORN, F. AUGUSTUS
SCHLEY, GRANT B.
SHEPARD, MRS. FINLEY J.
SLOANE, WILLIAM D.
STOKES, MISS CAROLINE PHELPS
STURGIS, FRANK K.
TAYLOR, IRVING K.
THORNE, EDWIN
TREVOR, MRS. JOHN B.
VANDERBILT, CORNELIUS
VANDERBILT, WILLIAM K.
WOOD, MRS. ANTOINETTE ENO

ASSOCIATE FOUNDERS

BABCOCK, SAMUEL D.
BAKER, GEORGE F.
CARTER, JAMES C.
CROCKER, GEORGE
DE LONG, MRS. GEORGE B.
DE RHAM, H. CASIMIR
FORD, JAMES B.
GRANT, MADISON
HARD, ANSON W.

JESUP, MORRIS K.
MARVIN, JOSEPH BENSON, JR.
OSBORN, PROF. HENRY FAIRFIELD
RHINELANDER, MISS SERENA
ROCKEFELLER, PERCY A.
SCHUYLER, PHILIP
SCHUYLER, MRS. PHILIP
THORNE, JOEL W.
TILFORD, HENRY M.

PATRONS

ARNOLD, HICKS
BLISS, CORNELIUS N.
BLISS, GEORGE T.
BOURY, LOUIS J.
BRONSON, EDGAR BEECHER
CONSTABLE, FREDERICK A.
COOK, HENRY H.
EHRET, GEORGE
FLOWER, ROSWELL P.
FORD, J. HOWARD
GOLDSCHMIDT, S. A.
GOULD, EDWIN, JR.
HARKNESS, CHARLES W.
HAVEMEYER, HENRY O.
HAVEMEYER, WILLIAM F.
HEWITT, ABRAM S.
HOFFMAN, VERY REV. E. A.
HORNADAY, DR. WILLIAM T.
ISELIN, ADRIAN
JAMES, D. WILLIS
JAMES, NORMAN
JAMES, DR. WALTER B.
JENNINGS, MISS ANNIE B.
KENNEDY, JOHN S.
LANGELOTH, JACOB
LEWIS, MRS. GEORGE

LUCINGE, PRINCESS AYMON DE F.
MCALLENAN, JOSEPH A.
MAYOR, DR. ALFRED G.
MORRIS, NEWBOLD
MORRIS, A. NEWBOLD
MORRIS, MRS. A. NEWBOLD
OSBORN, MRS. WILLIAM H.
PHOENIX, LLOYD
POOR, HENRY W.
PYNE, MRS. PERCY R.
RYAN, THOMAS F.
SCHERMERHORN, WILLIAM G.
SELIGMAN, ISAAC NEWTON
SENF, CHARLES H.
STICKNEY, JOSEPH
THORNE, MRS. SAMUEL
THORNE, S. BRINCKERHOFF
THORNE, W. V. S.
THORNE, WILLIAM
TWOMBLEY, H. MCK.
VANDERBILT, WILLIAM K.
VON POST, HERMAN C.
WEBB, WILLIAM H.
WHITNEY, HARRY
WOLFF, A.

MEMBERS OF
NEW YORK ZOOLOGICAL SOCIETY

January 1, 1940

BENEFACTORS

ROCKEFELLER, JOHN D., JR.

WILLIAMS, HARRISON

FOUNDERS IN PERPETUITY

ASTOR, VINCENT

CARNEGIE, MRS. ANDREW

CHANCE, COL. EDWIN M.

DILLON, CLARENCE

FIELD, MARSHALL

FRICK, CHILDS

LLOYD, HON. HENRY D.

ZABRISKIE, FREDERICK C.

FOUNDERS

BLAIR, C. LEDYARD

HUNTINGTON, ARCHER M.

ROCKEFELLER, LAURANCE S.

ROEBLING, JOHN A.

TREVOR, MISS EMILY

WALCOTT, FREDERICK C.

ASSOCIATE FOUNDERS

BARTON, OTIS

DYOTT, COMM. GEORGE M.

HAMILTON, WILLIAM PIERSON

KINNEY, MORRIS

THAYER, MRS. EZRA RIPLEY

THORNE, SAMUEL

TJADER, MRS. MARGARET T.

VANDERBILT, CORNELIUS

WEIR, E. T.

PATRONS

AUCHINCLOSS, MRS. HUGH D.

BARNEY, JAMES W.

BOEING, W. E.

CLARK, GEORGE C.

CLARK, MRS. GEORGE CRAWFORD

CROCKER, TEMPLETON

DELANO, MRS. WILLIAM

DELANO, WILLIAM

DOMINICK, BAYARD

DRAKE, L. F. V.

FRIEDMAN, RALPH

GRANT, DE FOREST

HARRISON, GEORGE L.

HAWKES, MRS. MORRIS

HOUSE, EDWARD J.

MASSEE, BURT

MORGAN, J. P.

OSBORN, WILLIAM CHURCH

PAUL, JOHN J.

ROCKEFELLER, MRS. J. D., JR.

ROGERS, MRS. GRACE RAINY

SATTERLEE, HERBERT L.

SCHIFF, JOHN M.

SIMPSON, MISS JEAN WALKER

SMITH, L. R.

STURGES, FREDERICK, JR.

TAYLOR, JAMES B., JR.

THORNE, FRANCIS B.

THORNE, HENRY S.

THORNE, LANDON K.

THORNE, VICTOR C.

TJADER, RICHARD THORNE

UHL, OSWALD W.

WINTER, MRS. EDNA ALBERT

LIFE MEMBERS

- AGNEW, CORNELIUS R.
 AGNEW, GEORGE B.
 ALDRIDGE, WALTER H.
 ALEXANDER, ARCHIBALD S.
 ARMOUR, ALLISON V.
 ARNOLD, EDWARD W. C.
 BACON, WENTWORTH C.
 BAILLIE, LLOYD W.
 BAKER, H. MARTYN
 BALDWIN, JOSEPH C., JR.
 BARBEY, HENRY G.
 BARBOUR, THOMAS
 BARNES, J. SANFORD
 BARNEY, MRS. CHARLES T.
 BARTOW, MRS. FRANCIS D.
 BARUCH, BERNARD M.
 BATTLE, GEORGE GORDON
 BAUM, MRS. DWIGHT JAMES
 BEACH, CHARLES C., M.D.
 BEACH, GOODWIN B.
 BEERBOWER, GEORGE M.
 BEHN, COL. SOSTHENES
 BELL, DENNISTOUN M.
 BELL, GORDON KNOX
 BEMENT, EDWARD
 BENJAMIN, HENRY ROGERS
 BENKERT, WILLIAM R.
 BERWIND, MRS. JOHN E.
 BIBB, WILLIAM G.
 BING, LEO S.
 BINGHAM, HARRY PAYNE
 BINNS, WALTER
 BIRD, CHARLES SUMNER
 BLACK, JAMES D.
 BLAIR, DR. W. REID
 BLISS, ROBERT WOODS
 BLISS, MRS. ROBERT WOODS
 BLOOMINGDALE, IRVING I.
 BOLE, BENJAMIN PATTERSON, JR.
 BOOTH, WILLIAM H.
 BOURNE, GEORGE G.
 BOURNE, MISS MARIAN C.
 BRADLEY, JOHN R.
 BREWSTER, FREDERICK F.
 BREWSTER, MRS. ROBERT S.
 BRINSMADE, CHARLES LYMAN
 BROWN, GEORGE MCKESSON
 BUCH, MISS EMILY
 BUCKNER, MORTIMER NORTON
 BURDEN, HENRY, 2ND
 BURDEN, W. DOUGLAS
 *BURLEIGH, GEORGE W.
 BURRAGE, REAR ADMIRAL GUY H., U.S.N.
 BUTLER, WILLIAM MILL
 CARMICHAEL, CAPT. J. C.
 CARTER, JAMES WALTER
 CARTER, T. DONALD
 CARTIER, P. C.
 CARY, GUY
 *CASEY, EDWARD PIERCE
 CERERO, R. L.
 CHAPIN, CHARLES MERRILL
 CHISHOLM, HUGH J.
 CHURCH, FREDERIC E.
 CHURCH, WILLARD
 CLARK, F. AMBROSE
 CLARK, MISS ZELINA T.
 CLOSE, EDWARD B.
 COE, WILLIAM R.
 COOPER, MRS. CHARLES W.
 CRANDALL, LEE S.
 CRANE, ALFRED J.
 CUTTING, CHARLES SUYDAM
 DANA, CHARLES A.
 DANA, WILLIAM SHEPHERD
 DAVIS, WILLIAM T.
 DAVISON, F. TRUBEE
 DEFORREST, HENRY W.
 DEMILHAU, LOUIS JOHN
 DE RHAM, MRS. H. CASIMIR
 DEWART, WILLIAM T.
 DICKERMAN, DONALD
 DICKERMAN, MRS. WATSON B.
 DIETZ, MRS. C. N.
 DISSTON, HENRY, JR.
 DITMARS, DR. R. L.
 DODD, MISS GERTRUDE
 DODGE, MRS. CLEVELAND H.
 DODGE, MARCELLUS HARTLEY
 DOELGER, CHARLES P.
 DOELGER, PETER
 DOUGLAS, ARCHIBALD, JR.
 DOWNER, JAY
 DRESSLER, OSCAR
 DU BOIS, MISS ETHEL
 DUGMORE, A. RADCLYFFE
 DUNHAM, EDWARD K.
 DUNN, GANO
 DUNSCOMBE, GEORGE ELSWORTH
 DU PONT, MRS. T. COLEMAN
 DWYER, THOMAS
 ECKER, FREDERICK H.
 EDGE, MRS. CHARLES NOEL
 ELLIS, W. DIXON
 ELMHURST, MRS. LEONARD
 ELY, ALFRED
 ELY, AMBROSE K.
 EMMET, C. TEMPLE
 ERDMANN, DR. JOHN F.
 EVARTS, ALLAN W.

* Deceased

- FAGAN, CHARLES L.
 *FAIRHAVEN, LADY
 FENSTEMAKER, MARVIN C.
 FIELD, WILLIAM B. OSGOOD
 FIELD, MRS. WILLIAM B. OSGOOD
 FILLEY, OLIVER D.
 FISHER, MRS. HENRY J.
 FISHER, JOEL ELLIS
 FLINT, CHARLES R.
 FORD, HENRY
 FRANZ, MISS EDITH H.
 FRERE, HAROLD
 FROST, LE ROY
 FULLER, MRS. EUGENE
 GAMMELL, WILLIAM
 GERRY, ROBERT L.
 GOODHART, HOWARD L.
 GROSVENOR, DR. GILBERT
 GUGGENHEIM, S. R.
 GUNTHER, BERNARD G.
 GUNTHER, FRANKLIN L.
 HAGENBECK, HEINRICH
 HAGENBECK, LORENZ
 HALLS, WILLIAM, JR.
 HALSEY, HERBERT DRAKE
 HAMILTON, PIERPONT MORGAN
 HARKNESS, MRS. EDWARD S.
 HARKNESS, WILLIAM HALE
 HARKNESS, MRS. WILLIAM L.
 HARRIMAN, E. ROLAND
 HARRIS, ALAN C.
 *HART, FRANK
 HARVEY, ELI
 HAUPT, DR. LOUIS
 HAVEMEYER, F. C.
 HAVEMEYER, THEODORE A.
 HELME, MRS. GEORGE A.
 HEBBURN, MRS. A. BARTON
 HERRICK, DR. WM. WORTHINGTON
 HIGGINSON, JAMES J.
 *HIGGINSON, MRS. JAMES J.
 HILL, CLARENCE H.
 *HOE, MRS. RICHARD M.
 HOLMES, C. R.
 HYDE, MRS. CLARENCE M.
 HYDE, JAMES HAZEN
 INGALLS, MRS. F. ABBOTT, JR.
 IRWIN, JOHN V.
 JAMES, ARTHUR CURTISS
 JENNINGS, MRS. OLIVER G.
 JONES, CHARLES H.
 KANE, GRENVILLE
 KELLEY, MRS. DAVID J.
 KEYES, MRS. CHARLES W.
 KEYSER, SAMUEL S.
 KINNEY, WARREN
 KRECH, DR. SHEPARD
 *LaFARGE, C. GRANT
 LAMONT, MISS ELIZABETH K.
 LAPHAM, LEWIS H.
 LEGENDRE, SIDNEY J.
 LEHMAN, S. M.
 LERNER, MICHAEL
 LINCOLN, EDWARD K.
 LOCHRIE, JOHN
 LOEB, MRS. MORRIS
 LOOMIS, ALFRED L.
 McALPIN, CHARLES WILLISTON
 McALPIN, DAVID H.
 McKAY, ROBERT GORDON
 McKEE, HON. JOSEPH V.
 McKEEVER, I. C.
 McKINNEY, GLENN FORD
 McLEAN, JOHN R.
 MADEIRA, PERCY C.
 MAHAFFIE, MRS. C. D.
 MALLORY, CHARLES H.
 MANICE, WILLIAM DE FOREST
 MARMON, MRS. ELIZABETH C.
 MATHESON, HUGH M.
 MEAD, MRS. WINTER
 MERLE-SMITH, MRS. VAN S.
 METCALF, JESSE
 METCALF, ROWE B.
 MEYER, HON. WILLIAM E.
 MILBANK, DUNLEVY
 MILBANK, JEREMIAH
 MINER, ROGER
 MITCHELL, FRANCIS L.
 MITCHELL, H. R.
 MITCHELL, WILLIAM
 MOORE, CHARLES ARTHUR, JR.
 MORGAN, JUNIUS S.
 MORRIS, MRS. LEWIS RUTHERFURD
 MOWBRAY, LOUIS L.
 MURRAY, MRS. ERNEST M.
 NESBITT, ABRAHAM
 NESBITT, SAMUEL
 NEWLAND, V. M.
 NEWMAN, CYRIL J.
 *NICHOLS, MRS. WILLIAM GILMAN
 NILES, MISS FLORILLA
 NILES, MRS. WILLIAM WHITE
 NORTON, JOHN W.
 OBERGFELL, MRS. EMMA
 OSBORN, FAIRFIELD
 OSBORN, MRS. WILLIAM CHURCH
 OSBURN, DR. RAYMOND C.
 PACK, ARTHUR NEWTON
 *PAINTER, KENYON V.
 PALMER, HENRY W.
 PALMER, MRS. HENRY W.
 PARKER, A. W.
 PARSONS, MRS. JOHN D., JR.

* Deceased

- PARSONS, JOSEPH
 PERKINS, WILLIAM H.
 PETERS, THEODORE
 PETERS, THOMAS M.
 PFEIFFER, CURT G.
 PHELPS, JOHN J.
 PHILIPS, WILLIAM P.
 *PHILLIPS, DR. JOHN C.
 PHILLIPS, JOHN M.
 PHILLIPS, MRS. R. BALLARD
 PHIPPS, HENRY C.
 PIERRE, MRS. LILLIAN
 *PIERREPONT, MISS ANNA JAY
 PIERREPONT, ROBERT L.
 PIERREPONT, SETH LOW
 PLANT, PHILIP M.
 POND, JAMES B.
 POTTER, WILSON
 *PRATT, HAROLD I.
 PRATT, HERBERT L.
 PROCTER, A. PHIMISTER
 *PULITZER, RALPH
 PUTNAM, GEORGE P.
 PYNE, MRS. PERCY R.
 QUINLAN, MISS FLORENCE E.
 RAYMOND, CHARLES H.
 REED, MISS BERTHA M.
 RENNER, CHARLES J.
 RICE, ALEXANDER HAMILTON
 ROBINSON, ARTHUR
 ROCKEFELLER, JOHN D., 3RD
 *RODEWALD, F. L.
 ROGERS, JAMES GAMBLE, JR.
 ROOSEVELT, KERMIT
 RUCKER, WILLIAM J.
 RUNGIUS, CARL
 RYAN, CLENDENIN J.
 RYLE, WILLIAM
 SAGE, DEAN, JR.
 SAMPSON, HENRY
 SANBORN, ELWIN R.
 *SANFORD, HENRY ..
 SANFORD, HENRY, JR.
 SANFORD, SAMUEL S.
 SATTERLEE, MRS. HERBERT L.
 SCARRITT, H. S.
 SCHIEFFELIN, SCHUYLER
 SCHLEY, EVANDER B.
 SCHLEY, K. B.
 SCHWARZ, MISS IDA T. L.
 SCOTT, STEVENSON
 SCOVILLE, MISS GRACE
 SEMKEN, DR. GEORGE H.
 SETON, ERNEST THOMPSON
 SHARPE, HENRY D.
 SHEARSON, EDWARD
 SHERMAN, GEORGE
 SLATER, H. N.
 SLOAN, BENSON B.
 *SLOAN, SAMUEL
 SOHER, LE ROY
 SPEYER, JAMES
 SQUIER, STUART C.
 STEWART, WILLIAM R.
 STONE, ROBERT G.
 STOYE, FREDERICK H.
 STRAUSS, CHARLES
 STREETER, DANIEL DENISON
 TABER, MISS MARY
 TARLTON, LESLIE JEFFERIS
 TAYLOR, FRANK J.
 THOMPSON, LEWIS S.
 TILFORD, MRS. HENRY MORGAN
 TOD, ROBERT E.
 TODD, WILLIAM H.
 TODD, WILLIAM R.
 TOWNSEND, DR. CHARLES H.
 TRAVELL, MRS. WILLARD
 TREVOR, JOHN B.
 TRITTON, CLAUDE H.
 TUCK, EDWARD
 TUPPER, DR. CHARLES C.
 UHLMANN, FREDERICK
 UPPERCU, INGLIS M.
 VAN DER SMISSEN, DR. G. J.
 VAN NORDEN, MRS. GRACE TALCOTT
 VAN RENSSELAER, CHARLES A.
 VARNUM, MRS. JAMES M.
 VIDA, A. M.
 WADSWORTH, MRS. W. A.
 WAINWRIGHT, RICHARD T.
 WARD, MRS. CHARLOTTE
 WATSON, JAMES S.
 WEBB, MRS. ALEXANDER S.
 WEBB, HARRY HAVEMEYER
 WEBB, J. WATSON
 WEBER, ORLANDO F., JR.
 *WEBSTER, HAMILTON FISH
 WELLS, MRS. OLIVER J.
 WEYANT, MISS WINTHROPE
 WHARTON, WILLIAM P.
 WHEALTON, LOUIS N.
 WHITE, EDWARD
 WHITEHEAD, MRS. JOHN JAY, JR.
 WHITMAN, MALCOLM D.
 WHITMAN, PAUL
 WHITNEY, CORNELIUS VANDERBILT
 WILLETS, ELMORE A.
 WILLETS, HOWARD
 WILLIAMS, CLARK
 WILLIAMS, WILLIAM
 WINTHROP, BEEKMAN
 WOOD, DR. CASEY A.
 WOODWARD, WILLIAM

* Deceased

ANNUAL MEMBERS

- ABBOTT, MRS. MARIE M.
 ADAMS, CHARLES E.
 ADAMS, FREDERICK B.
 ADDINSELL, H. M.
 ADLER, SIEGMUND
 AGNEW, MRS. CORNELIUS R.
 AHRENS, HENRY A.
 AIKEN, ALFRED L.
 ALDRICH, WINTHROP W.
 ALDRICH, MRS. WINTHROP W.
 ALEXANDER, BART., SIR DOUGLAS
 AMEND, CARL G.
 ANDERSON, MRS. WILLIAM
 ANDREWS, GEORGE CLINTON, M.D.
 ANSBACHER, D. A.
 APPLEBY, MRS. JOHN STORM
 *ARCHBOLD, MRS. JOHN F.
 AREND, F. J.
 ARKUSH, REUBEN
 ARMSBY, MRS. WALTER
 ASSMUTH, REV. JOSEPH
 ATKINS, T. W., III
 ATWATER, CHARLES B.
 ATZ, JAMES W.
 AUCHINCLOSS, C. C.
 AUCHINCLOSS, MRS. EDGAR S.
 AUCHINCLOSS, HUGH
 AUGUSTE, HARMON SPENCER
 AUSTIN, MRS. MADELAINE H.
 AYCRIGG, MRS. BENJAMIN ARTHUR
 AYRES, MRS. ALFRED B.
 BAARSLAG, ANTON F., JR.
 BACHE, JULES S.
 BACON, MRS. FRANCIS McNIEL
 BACON, MRS. ROBERT
 BAGBY, ALBERT MORRIS
 BAKER, MRS. GEORGE F.
 BAKER, JOHN STEWART
 BAKER, STEPHEN
 BAKHMETEFF, BORIS A.
 BALDWIN, CHRISTOPHER C., JR.
 BALDWIN, MRS. ROBERT HOWE
 BALLANTINE, ARTHUR A.
 BALLARD, MRS. EDWARD L.
 BALLARD, SUMNER
 BAMBERGER, LOUIS I.
 BANGS, FRANCIS
 BARNARD, J. AUGUSTUS
 BARNES, H. H., JR.
 BARNEY, PHILIP C.
 BARRON, GEORGE D.
 BARTHMAN, HENRY C.
 BARTOL, HENRY G.
 BASS, DR. MURRAY H.
 BASS, PERKINS
 BASS, MRS. ROBERT
 BATES, FRANK C.
 BATTEY, WILLIAM EARLE
 BAYNE, MRS. LAWRENCE P.
 BEACH, WILLIAM N.
 BEADLESTON, MISS EDITH
 BEALS, JOHN D., JR.
 BECKER, MISS MARIE F.
 BEEKMAN, CHARLES K.
 BEEKMAN, FENWICK, M.D.
 BELL, J. FREDERICK
 BELL, WILLIAM B.
 BELLER, WILLIAM C.
 BENJAMIN, MRS. WILLIAM M.
 BENZIGER, BRUNO
 BERGER, MRS. CHARLES F.
 BERKITZ, BERNHARD
 BERLE, A. A., JR.
 BERNHEIM, GEORGE B.
 BERNHEIM, HENRY J.
 BERTHEAU, RUDOLF C.
 BEST, MRS. CHARLES B.
 BETTS, WYLLYS R.
 *BIER, MRS. SYLVAN
 BIERMAN, D. H.
 BIGGS, MRS. WILLIAM R.
 BIRCHALL, MISS KATHERINE H.
 BISHOP, DR. LOUIS FAUGERES, SR.
 BISHOP, DR. LOUIS FAUGERES, JR.
 BLACK, FRED L.
 *BLAIR, J. INSLEY
 *BLAKESLEE, MRS. C. W.
 BLISS, ANTHONY A.
 BLISS, MISS S. D.
 BLISS, MRS. WALTER PHELPS
 BLODGETT, THOMAS H.
 BLUMENTHAL, SIDNEY
 BOARDMAN, MRS. BRADFORD
 BOARDMAN, KENNETH
 BOARDMAN, MRS. KENNETH
 BOARDMAN, MISS R. C.
 BOESE, QUINCY WARD
 BOETTGER, THEODORE
 BOGAN, R. A. L.
 BOLE, ROBERT W.
 BOLES, EDGAR H.
 BOLTON, MISS ELLA F.
 BOND, STEPHEN N.
 BOWDOIN, MISS EDITH G.
 BOWDOIN, GEORGE TEMPLE
 BOYDEN, ALAN
 BRAND, MRS. ALBERT R.
 BREESE, MRS. CAROL IRWIN
 BREITENBACH, JULIUS M.
 BRIDGES, WILLIAM

* Deceased

- BRIGGS, MRS. BERTA N.
 BRILL, DR. A. A.
 BROOKS, MRS. HARLOW
 BROWN, CHARLES S., JR.
 BROWN, MISS EDITH HARMAN
 BROWN, F. GORDON, JR.
 BROWN, MRS. FRANKLIN Q.
 BROWN, VERNON CARLETON
 BROWN, WILLARD S.
 BROWNING, WILLIAM H.
 BRUNDIGE, MISS ELIZABETH B.
 BRYCE, MISS MARY T.
 BUCK, ELLSWORTH B.
 BUCKLE, LEWIS M.
 BUGBEE, DR. HENRY G.
 BULKLEY, EDWIN M.
 BULKLEY, MRS. EDWIN M.
 BULKLEY, J. O.
 *BULKLEY, JONATHAN
 BULKLEY, MRS. JONATHAN
 BULLOCK, MRS. HUGH
 BURBANK, DR. REGINALD
 BURDEN, MRS. W. A. M.
 BURGESS, THORNTON W.
 *BURLINGAME, FREDERIC A.
 BURLINGHAM, CHARLES
 BURLINGHAM, MRS. CHAS.
 BURLINGHAM, CHARLES C.
 BURNHAM, GORDON W.
 BUSH, MRS. D. FAIRFAX
 BUTLER, ARTHUR W.
 BYRNE, MRS. JAMES
 *BYRON, E. B.
 *CABOT, F. H.
 CAIN, BEN B.
 CAMPBELL, DONALD
 CARLTON, NEWCOMB
 CARROLL, PHILIP A.
 CARTER, ERNEST T.
 CASAMAJOR, DR. LOUIS
 CASS, CHARLES ANDERSON
 CATES, LOUIS S.
 CECIL, JAMES M.
 CHADBOURNE, WILLIAM M.
 CHADWICK, MRS. E. GERRY
 CHALMERS, ARTHUR A.
 *CHAMBERS, FRANK R.
 CHANDLER, NORMAN WILMER
 CHANLER, WILLIAM C.
 CHAPMANN, T. L., M.D.
 CHAUNCEY, A. WALLACE
 CHILD, MISS RUTH AUCHINCLOSS
 CHILDS, EVERSLEY
 CHILDS, S. WINSTON, JR.
 CHILDS, STARLING W.
 CHOATE, MRS. ARTHUR O.
 CHRISTIE, ROBERT L.
 CHRISTY, HERBERT
 CHURCH, AUSTIN
 CHURCH, CHARLES T.
 CHURCH, E. D.
 CHURCH, LOUIS P.
 CLARK, DONALDSON
 CLARK, EDWARD H.
 CLARK, MRS. EDWARD HARDY
 CLARK, MISS E. MABEL
 CLARK, MRS. HAROLD BENJAMIN
 CLARK, MRS. JOHN C.
 CLARKE, MISS FRANCES E.
 CLAUSEN, GEORGE
 CLAYBURGH, MME. ALMA
 CLOWES, F. J.
 CLOWES, FREDERICK V.
 COCKCROFT, MISS MARY T.
 COLBURN, ALBERT E.
 COLE, DR. C. MONFORD
 COLE, MRS. RUFUS
 COLGATE, HENRY A.
 COLLIER, MRS. R. J.
 COLT, HARRIS D.
 COMSTOCK, MRS. H. G.
 CONBOY, MARTIN
 CONE, FREDERICK H.
 COOK, MRS. ALFRED A.
 COOPER, HENRY S. FENIMORE
 COPE, FRANCIS R., JR.
 CORLIES, HOWARD
 COTTON, MRS. JOSEPH P.
 CRAIG, MRS. ISABELLE M.
 CRAIG, ROSS M.
 CRIMMINS, MISS MARY
 CRIMMINS, THOMAS
 CROCKER, GEORGE A.
 CROCKER, MRS. W. W.
 CROMWELL, HON. JAMES H. R.
 CROMWELL, MRS. JAMES H. R.
 CROMWELL, LINCOLN
 CROSS, MISS EMILY R.
 CROSS, J. W.
 CROSS, MISS MARY N.
 CROSS, THOMAS N.
 CRUSELLAS, RAMON F.
 CULLMAN, HOWARD S.
 CUNNINGHAM, W. DE LANCEY
 CURIEL, MRS. HELENE, "In Memory"
 CURTIS, CHARLES C.
 CURTIS, MRS. JEANNETTE C.
 CUSHMAN, PAUL
 CUTTING, FULTON
 DALIETT, FREDERIC A.
 DALL, CHAS. WHITNEY
 DALY, D. LOUGHRAN
 DAMROSCH, MRS. FRANK
 DANE, MRS. ERNEST B.

DASHIELL, MRS. LEFFERTS M.
 DAVEY, MISS CAROLYN
 DAVEY, WILLIAM N.
 DAVIDSON, JO
 DAVIS, MRS. CECIL CLARK
 DAVIS, GHERARDI
 DAVIS, MORGAN
 *DAVIS, WATERS S.
 DAVISON, MRS. HENRY POMEROY
 DAVISSON, WILLIAM PORTER
 DE BARBAC, MADAME
 DE CAMP, L. SPRAGUE
 DE FOREST, JOHNSTON
 DEGENER, JOHN F., JR.
 DE HEREDIA, MRS. CARLOS M.
 DE KAY, MRS. SIDNEY
 DELACORTE, GEORGE T., JR.
 DELAFIELD, EDWARD C.
 DELAFIELD, LEWIS L.
 DELAFIELD, ROBERT HARE
 DELANO, LYMAN
 DEMING, LAURENT C.
 DENBY, EDWIN H.
 DEPERIGNY, COMTESSE
 DERBY, JAMES LLOYD
 DERHAM, MRS. CHARLES
 DESPARD, CLEMENT L.
 DETMER, JULIAN F.
 DICKEY, MRS. CHARLES D.
 DIENST, A. P.
 DIKE, OSCAR D.
 DIX, MRS. ALFRED P.
 DOANE, BENJAMIN H.
 DODD, ALFRED W.
 DODGE, CLEVELAND E.
 DOMINICK, GAYER G.
 DONALD, MISS ANNA E.
 DOOLITTLE, F. W.
 DOUGLAS, MISS ELIZABETH
 DOUGLAS, WILLIAM H.
 DOWNEY, JOHN I.
 DOWS, MRS. DAVID, SR.
 DRESCHER, HAROLD J.
 DUANE, MRS. JAMES MAY
 DuBOIS, MISS MARGARET
 DuBOIS, MRS. MATTHEW B.
 DUNCAN, STUART
 du PONT, H. F.
 DWIGHT, MRS. WINTHROP E.
 EATON, GEORGE L.
 EBERSTADT, FERDINAND
 ECKART, EDMUND
 *EDGAR, HERMAN L. R.
 EDWARDS, DR. GEORGE VAIL
 EINHORN, DR. MAX
 EISNER, MARK
 ELLIOT, MISS MARGARET H.

* Deceased

ELLSWORTH, D. S.
 ELSBERG, DR. CHARLES A.
 EMANUEL, JOHN H.
 ENGELHARD, CHARLES
 ERDMANN, MRS. WILLIAM
 ERLANGER, MILTON S.
 EWING, GEORGE R. M.
 FABER, EBERHARD
 FALCO, MISS MARIE
 FAY, FRANCIS B.
 FEDER, JOSEPH F.
 FEINBLATT, JACK
 FENNO, H. BRADLEE
 FETTRETCH, MRS. CHARLES F.
 FIELD, MRS. AUGUSTUS B.
 FINCKE, REGINALD
 FINLETTER, THOMAS K.
 FITZGERALD, CHARLES MAURICE
 FLAGLER, HARRY HARKNESS
 FLEISCHMANN, UDO M.
 FLEMING, MATTHEW C.
 FLETCHER, HENRY
 FLURY, ALVIN GODFREY
 FOBES, DR. JOSEPH H.
 FOEHL, A., JR.
 FONDILLER, MRS. RICHARD
 FOOT, MRS. SANFORD D.
 FORCE, MRS. JULIANE
 *FOSTER, FRANK B.
 FOSTER, GIRAUD
 FOSTER, HOWARD CROSBY
 FOSTER, J. HEGEMAN
 FOX, MRS. ALICE
 FOX, MISS ALICE BLEECKER
 FOX, MISS ELEANOR
 FRANK, LOUIS
 FRASER, LEON
 FREDERICK, MRS. LEOPOLD
 FREEMAN, MISS GERTRUDE A.
 FRENCH, MRS. JOHN
 FRENCH, JOHN, JR.
 FREW, WALTER E.
 FRIES, DR. HAROLD H.
 FROMM, S. W.
 FROTHINGHAM, WILLIAM I.
 GAILLARD, MRS. WILLIAM D.
 GALBAN, EUGENIO
 GALE, L. R.
 GALLATIN, NATHANIEL K.
 GALLATIN, GOELET
 GALLOWHUR, W. G.
 GAVIN, MRS. MICHAEL
 GAWTRY, LEWIS
 GEDDES, DONALD G.
 GEER, GEORGE JARVIS
 GERDES, THEODORE R. N.
 GIBBS, GEORGE

- GIBSON, H. D.
 GIMBEL, BERNARD F.
 *GLAZIER, HENRY S.
 GLENN, JOHN M.
 GODDARD, MRS. MORRILL
 GODLEY, GEORGE McM.
 GODWIN, FREDERICK M.
 GOLDSMITH, ARTHUR J.
 GOLDAN, DR. S. ORMOND
 GOLDSTONE, HARMON HENDRICKS
 GOOD, MRS. JEANE GRESSEL
 GOODHUE, MRS. M. A.
 GOODWILLIE, ROBERT H.
 GOODWIN, JAMES L.
 GOTTHOLD, ARTHUR F.
 GOULD, MRS. EDWIN
 GRAF, WILLIAM
 GRANT, MRS. DE FOREST
 GRAVES, HENRY, JR.
 GREASON, EDGAR
 GREEN, MRS. WILLIAM A.
 GREENHALL, ARTHUR M.
 GREER, MRS. LOUIS MORRIS
 GREGG, WILLIAM C.
 GREGORY, FRANKLIN U.
 GRIGGS, MAITLAND F.
 GRIMMER, JOHN W.
 GRINNELL, MRS. E. MORGAN
 GRINNELL, DR. ROBERT S.
 GRISTEDE, MRS. D.
 GRISWOLD, WILLIAM E. S.
 GROUT, MRS. H. M., JR.
 GRUNER, WILLIAM C.
 GUGGENHEIM, SIMON
 GULICK, ARCHIBALD A.
 GUTMAN, DEWITT
 HAAS, GEORGE C.
 HAIGHT, MRS. SHERMAN POST
 HALL, JOHN H., JR.
 HALLOCK, CHARLES P.
 HALSEY, MRS. CHARLES W.
 HAMERSLEY, LOUIS GORDON
 HAMMOND, MRS. JOHN HENRY
 HANCE, JOHN A.
 HARKNESS, MRS. WILLIAM HALE
 HARMON, MRS. BENEDICT
 HARRIMAN, W. A.
 HARRIS, H. B.
 HARRIS, MRS. VICTOR
 HARRISON, DR. CALVIN L.
 HARRISON, MRS. W. HENRY
 HARRISON, MRS. W. K.
 HASKELL, MRS. AMORY L.
 HAVEMEYER, HENRY O.
 HAY, CLARENCE L.
 HAY, MRS. LOUIS C.
 HAYES, MISS HELEN
 HEIDE, HENRY, JR.
 HEIMAN, E.
 HEKMA, JACOB
 HENRY, BARKLIE
 HERBERT, JOHN W.
 HERMAN, BERNARD F.
 HERNSTADT, WILLIAM L.
 HERRICK, NEWBOLD L.
 HERSHEY, ANDREW H.
 HERSHFIELD, HARRY
 HERSTER, HERSCHEL D.
 HICKOX, CHARLES V.
 HICKS, JOHN M. W.
 *HICKS, MISS M. HELEN
 HILL, E. B.
 HILL, ROBERT C.
 HINTON, ALFRED P.
 HOCHSCHILD, H. K.
 HOFFMAN, F. BURRALL
 HOFFMAN, MISS M. U.
 HOFFMAN, MRS. RUTH BROOKS
 HOFFMAN, MRS. WILLIAM M. V.
 HOFFMAN, W. W.
 HOGAN, MRS. JEFFERSON
 HOGG, KENNETH S.
 HOHIMER, FLOYD
 HOLDEN, MILTON W.
 HOLLENBACK, MISS AMELIA B.
 HOLLISTER, PAUL
 HOLTON, CHARLES W.
 *HOPPIN, MISS FRANCES
 HOPPIN, MRS. SARAH C. W.
 HOPPIN, WILLIAM W.
 HERR, L. WILLIAM
 HOWARD, MRS. WALTER T.
 HOWELL, MAXWELL D.
 HOYER, F.
 HOYT, MRS. HENRY R.
 HOYT, JOHN SHERMAN
 *HOYT, MRS. K. STONE
 HUDSON, MRS. MARJORIE V. L.
 HUGHES, CHARLES E.
 HUGHES, CHARLES E., JR.
 HUGHES, MRS. MINA M. EDISON
 HURDMAN, FREDERICK H.
 HUTCHINS, AUGUSTUS SCHELL
 HUTCHINS, HARLEY D.
 HUTCHINSON, MRS. EDNA G.
 HYNES, MRS. RALPH E.
 ISAACS, STANLEY M.
 ISELIN, MISS GEORGINE
 ISELIN, MRS. LEWIS
 ISELIN, MISS LOUISE M.
 ISELIN, WILLIAM O'DONNELL
 ISRAEL, LEON
 IVES, RAYMOND
 JACKSON, FREDERICK W.

JACKSON, JOHN G.
 JAFFRAY, MRS. ROBERT
 JAMES, HENRY, JR.
 JAMES, MRS. WALTER B.
 JAVITS, BENJAMIN A.
 JENKS, MRS. ROBERT I.
 JENNINGS, FREDERIC L.
 JOHNSON, MRS. OSA
 JONES, H. LEROY
 KAHN, MRS. OTTO H.
 KALISH, MISS ANNIE
 KARELSEN, FRANK E., JR.
 KEAN, HAMILTON FISH
 KEAN, MRS. HAMILTON FISH
 KEAN, JOHN
 KEAN, ROBERT WINTHROP
 KEIL, HENRY F.
 KELLEY, NICHOLAS
 KENNERLY, MISS M. M.
 KENT, GEORGE S.
 KEUFFEL, W. G.
 KIERAN, JOHN
 KIERNAN, PETER D.
 KILMARX, LOUIS E.
 KING, MISS MINNIE P.
 KINGSFORD, IRVING B.
 KINGSLEY, W. M.
 KINKEAD, MISS JENNIE H.
 KINNEY, MRS. WARREN
 KIRKHAM, WILLIAM B.
 KIRKMAN, SIDNEY A.
 KISSEL, MRS. W. THORN
 KLAUSER, MISS CORA
 KLEIN, D. EMIL
 KLINGENSTEIN, MRS. CHARLES
 KNAPP, ARNOLD
 KOCH, EDWARD R.
 KOLLSTEDE, CHARLES A.
 KRAUSE, HOLGER E.
 KRUMB, HENRY
 KUHN, AUGUST
 KUHN, JULIUS
 KULBERG, CARL
 KUNHARDT, MRS. HENRY R.
 KURZMAN, CHARLES C.
 LABROT, W. H.
 LAMBERT, DR. ADRIAN V. S.
 LAMBERT, DR. SAMUEL W.
 LANDON, FRANCIS G.
 LANE, JACK
 LANE, MISS KATHARINE W.
 LANE, WOLCOTT G.
 LAWRENCE, BLAKE L.
 LAWRENCE, TOWNSEND
 LEDYARD, MRS. ISABEL
 LEHMAIER, JAMES M.
 LEHMAN, MRS. ROBERT

LESLIE, MRS. J. C.
 LEVEY, CHARLES BISPHAM
 LEVY, LOUIS S.
 LEWISOHN, SAMUEL A.
 LEYENDECKER, RICHARD A.
 LICHTENSTEIN, OSCAR R.
 LIEB, CHARLES C., M.D.
 LILJENCRA NTZ, ERIC, M.D.
 LIPPINCOTT, ARTHUR H.
 LITCHFIELD, E. HUBERT
 LIVINGSTON, MISS ANNA P.
 *LLOYD-SMITH, WILTON
 LOEB, MILTON A.
 LOGAN, MISS FLORENCE L.
 LOOMIS, GUY
 LOW, ETHELBERT IDE
 LOWELL, JAMES B.
 *LUDLOW, MRS. BANYER
 LUDLUM, C. A.
 LUEDER, C. G.
 LUKE, ADAM K.
 McALPIN, MRS. CHARLES W.
 McALPIN, DR. K. R.
 McCOMBS, DR. A. P.
 McCONNELL, R. E.
 McCOSKER, ALFRED J.
 McCULLOH, J. S.
 *McDONALD, C. ERIC W.
 McEWEN, ALFRED
 McEWEN, PAUL
 McEWEN, MRS. PAUL
 McFADDEN, L. E.
 McFADDEN, PHILIP G.
 McILHENNY, EDWARD A.
 McLANE, THOMAS S.
 McNAIR, WILLIAM
 MAAS, MILTON A.
 MAC LEAN, MRS. CHARLES F.
 MAGER, F. ROBERT
 MAGIE, JAMES MCCOSH
 MANN, MRS. GEORGE W.
 MAPES, EUGENE E.
 MARCKWALD, ALBERT H.
 *MARES, POMPEO M.
 MARIENHOFF, MISS BETH
 MARKHAM, ROBERT D.
 MARPLE, JOSEPH N.
 MARSH, CHARLES CAPRON
 MARSH, S. H.
 MARSHALL, CHARLES C.
 MARSTON, HUNTER S.
 MARTIN, BRADLEY, JR.
 MARTIN, MRS. GRINNELL
 MARTIN, MISS PATRICIA
 MARVIN, LANGDON P.
 MARVIN, MRS. LANGDON P.
 MASON, C. N.

* Deceased

- MASSIE, EDWIN B.
 MATHER, DEANE W.
 MATTHIESSEN, ERARD A.
 MAXWELL, FRANCIS TAYLOR
 MAXWELL, HOWARD W.
 *MAXWELL, WILLIAM
 MAYNARD, MRS. WALTER E.
 MEADE, GEORGE P.
 MELANDER, PROF. A. L.
 MELLON, MISS ELEANOR M.
 MENDELSON, WALTER
 MENNINGER, DR. GEORGE
 MERCER, MRS. MARTHA DANA
 MERRILL, EDWIN G.
 MERRITT, ABRAHAM
 MEYER, EUGENE
 MEYER, J. EDWARD
 MILLER, MRS. CHARLES E.
 MILLER, MRS. MARTHA H.
 MILLER, ROSWELL
 MILLER, MRS. ROSWELL, JR.
 MILLER, W. W.
 MILLHISER, MRS. REGINA V. G.
 MILLIKEN, MRS. GERRISH H.
 MILLS, R. C.
 MILMINE, MRS. C. E.
 MILTON, MISS ABBY
 MILTON, MISS MARILYN
 MITCHELL, GRANT
 MITCHELL, S. A.
 MITCHELL, MRS. S. ROGER
 MOGI, MRS. Y.
 MOISTER, ROGER W., M.D.
 MONTAGUE, MRS. GILBERT
 MOORCROFT, THOMAS J.
 MOORE, MRS. BENJAMIN
 MOORE, MRS. VIOLA JOHNSTON
 MOORHEAD, HORACE R.
 MOREHEAD, JOHN M.
 MORGAN, MISS ANNE
 MORGAN, MISS C. L.
 MORGAN, JUNIUS S.
 MORGAN, WILLIAM FELLOWES
 MORRILL, DR. CHARLES V.
 MORRIS, DAVE H.
 MORRIS, DU BOIS S.
 MORRIS, LEWIS SPENCER
 MORRISON, MRS. CHARLES KING
 MORTIMER, STANLEY GRAFTON
 MOSENTHAL, MRS. HERMAN O.
 MOSLE, A. HENRY
 MOSMAN, PHILIP A.
 *MOTT, MRS. JOHN BOWNE
 MOYER, ALBERT
 MUELLER, MRS. CONSTANCE S.
 MUNGER, EDWARD A.
 MURPHY, MISS MARTHA
 MYERS, FRANK J.
 NASH, MISS FAY
 NATHAN, HAROLD
 NAUMBURG, MRS. WALTER W.
 NESMITH, JAMES, 2ND
 NEUSTADT, MRS. S.
 NEWTON, F. MAURICE
 NICHOLS, ACOSTA
 NICHOLS, MRS. JOHN W. T.
 NICHOLSON, MRS. G. J. GUTHRIE
 NICKERSON, HOFFMAN
 NICOLL, JAMES C.
 NORMAN, MRS. BRADFORD
 *NORRIS, MISS FANNY
 OAK, MISS DOROTHY
 OAKLEY, MRS. R. LAWRENCE
 O'CONNELL, HAROLD J.
 OFFERMAN, JOHN
 OGDEN, CHARLES W.
 OGDEN, MISS MARY F.
 OHMEIS, JOHN
 OLCOTT, DUDLEY
 *O'NEILL, VINCENT E.
 OPENHYM, GEORGE J.
 OPPENHEIMER, DAVID E.
 PACKARD, ARTHUR W.
 PADDOCK, MRS. EUGENE H.
 PALMER, EDGAR
 PAPKE, WILLIAM A.
 PARISH, WAINWRIGHT
 PARKS, ELTON
 PARSONS, MISS KATHARINE DE B.
 PATTERSON, HENRY STUART
 PATTERSON, RUFUS L.
 PEACOCK, MRS. CHARLES A.
 PEARSON, MRS. ANDRE
 PECK, E. STUART
 PECK, MRS. MARY L.
 PELL, CLARENCE C.
 PELL, STEPHEN H. P.
 PERKINS, GEORGE W.
 PERKINS, MRS. GEORGE W.
 PETERS, MRS. W. Y.
 PETRASCH, MRS. CARL S.
 PFORZHEIMER, CARL H.
 PFORZHEIMER, WALTER
 PHELPS, DR. GOUVERNEUR M.
 PHELPS, MRS. SHEFFIELD
 PHELPS, WILLIAM H.
 PHILLIPS, WALTER
 PIATTI, DR. VIRGIL C.
 PICKHARDT, DR. OTTO C.
 PICKHARDT, WM. PAUL
 PIERREPONT, R. STUYVESANT
 PIERROT, GEORGE F.
 PINKLEY, DR. GEORGE
 PITNEY, MRS. J. O. H.

* Deceased

PLATT, LIVINGSTON
 POLK, FRANK L.
 POMROY, DANIEL E.
 POOL, DR. EUGENE H.
 POPE, G. D.
 PORTER, LOUIS H.
 *POST, ABRAM S.
 POTTER, MISS BLANCHE
 POTTER, L. DE GROVE
 POTTS, CHARLES E.
 POTTS, WILLIAM R.
 PRATT, A. G.
 PRATT, ALEXANDER D. B.
 PRATT, MRS. JOHN T.
 PRENTISS, MARSHALL
 PRYBIL, PAUL
 PYLE, D. H. McALPIN
 RANGER, STANLEY G.
 RASMUS, W. T.
 REDMOND, MRS. HENRY S.
 REDMOND, ROLAND L.
 REEVES, MARK W.
 REID, OGDEN MILLS
 REID, MRS. OGDEN MILLS
 REID, WALLACE
 REISCHMAN, HENRY R.
 REISINGER, CURT H.
 RENWICK, EDWARD BREVOORT
 RICE, GRANTLAND
 *RICHARD, MISS ELVINE
 RICHARD, L. A.
 RICHARD, OSCAR L.
 *RIEM, SIMON R.
 RIGHTER, MISS HARRIET T.
 RIKER, MRS. CHARLES L.
 RIPLEY, JULIAN A.
 RIVES, F. BAYARD
 ROBERTS, GEORGE
 ROBERTS, OWEN F.
 ROBERTS, THOMAS S.
 ROBINSON, BEVERLEY R.
 ROBINSON, CHARLES LARNED
 ROCKEFELLER, NELSON A.
 ROCKEFELLER, RODMAN
 ROCKEFELLER, MISS SANDRA
 ROEDER, ARTHUR
 ROGER, JOHN
 ROGERS, FRANCIS
 ROGERS, HUBERT E.
 ROKENBAUGH, HENRY S.
 ROOSEVELT, MRS. FRANKLIN D.
 ROOSEVELT, GEORGE E.
 ROOSEVELT, PHILIP J.
 ROPES, CHAPMAN
 ROTH, MRS. ANDREW WINTON
 ROTH, MRS. PHILIP
 ROUNSEVEL, MRS. ASHTON

* Deceased

RUHE, LOUIS
 RUNYON, CLARKSON, JR.
 RUSSELL, MISS MARIE L.
 RYLE, GRAHAM
 RYLE, MISS JULIA
 SACKETT, CHARLES B.
 SACKETT, GEORGE K.
 SAGE, DEAN
 SALMON, MRS. WALTER J.
 SANDALGI, REV. PAUL J.
 SANFORD, DR. L. C.
 SARTORIUS, MRS. I. A.
 SATTERWHITE, PRESTON P.
 SAUTER, FRED.
 SCHEFER, ANTON H.
 SCHEY, ROBERT
 SCHIEFFELIN, MISS DOROTHY
 SCHIMMEL, SIEGFELD
 SCHLESINGER, ROBERT
 *SCHMELZEL, JAMES H.
 SCHOLLE, A. H.
 SCHOLLE, MRS. HARDINGE
 SCHONBRUNN, S. A.
 SCHOTT, C. FRANK
 SCHRAMM, MISS EBBEN
 SCHWARZ, MISS EMILY E.
 SCHWARZ, HERBERT F.
 SCUDDER, HEWLETT
 SEAGLE, MRS. N. A.
 SELIGMAN, MRS. GEORGE W.
 SELIGMAN, WALTER
 SERVENTI, CHARLES
 SEYMOUR, EDMUND
 SHAFFER, MRS. FLORENCE C.
 SHAW, WALTER J.
 SHEETS, DR. ELMER A.
 SHEFFIELD, MRS. JAMES R.
 SHEPARD, FINLEY J.
 SHIFFMAN, HARRY, M.D.
 SHONNARD, HORATIO S.
 SIEDENBURG, MRS. REINHARD
 SILLECK, HENRY G., JR.
 SILVERSTEIN, HENRY
 SIMONS, MISS KATE R.
 SKEEL, DR. H. ROBERTSON
 SKEEL, MRS. ROSWELL, JR.
 SKELDON, FRANK L.
 SLADE, FRANCIS LOUIS
 *SLAUGHTER, R B.
 SLESINGER, DONALD
 SLOAN, MRS. SAMUEL
 SLOANE, MRS. JOHN
 *SLOCUM, THOMAS W.
 SMILEY, DANIEL, JR.
 SMILLIE, RALPH
 SMITH, DANIEL CRANFORD
 SMITH, FRANK W.

- SMYTH, DAVID W.
 SNARE, FREDERICK
 SONDHEIM, PHINEAS
 SPALDING, ALBERT
 SPALDING, KEITH
 SPARROW, MRS. EDWARD W.
 SPEDDEN, FREDERIC O.
 *SPENCER, MRS. EDWARDS
 SPITZNER, GEORGE W.
 SPRINGS, RICHARD A.
 STAGG, FREDERICK L.
 STANLEY, ALFRED
 STANLEY, HAROLD
 STANWICK, CHARLES A.
 STARR, HOWARD W.
 *STEELE, CHARLES
 STEIN, MRS. ALEXIS W.
 STEINBECK, EDWARD
 STEPHENS, RODERICK
 STERLING, MRS. ROBERT D.
 STERN, ALBERT
 STEWART, ALEXANDER M.
 STEWART, MISS G. MARIETA
 STIER, MRS. GEORGE J.
 STILLMAN, JAMES A.
 STOUT, ANDREW V.
 STRAUB, ANTHONY F.
 STRAUS, MRS. NATHAN
 STRAUS, PERCY S.
 STRINGFELLOW, MISS ETHEL GREY
 STRITTER, MISS E. ELEANOR
 STROOCK, JOSEPH
 STUART, MRS. DAVID
 SULZBERGER, ARTHUR HAYES
 SULZBERGER, CARL FULTON, M.D.
 SUYDAM, MRS. LAMBERT
 SWAN, JOSEPH R.
 SWANSON, DR. FRITZ J.
 SWANZY, MRS. FRANCIS MILLS
 SYMINGTON, CHARLES J.
 TAFT, HENRY W.
 TAYLOR, JAMES B.
 TAYLOR, ROBERT COLEMAN
 TENNEY, DANIEL G.
 TERRY, MRS. WILLIAM C.
 TERRY, MISS MARION J.
 TERRY, RODERICK, JR.
 THATCHER, MRS. T. D.
 THAW, J. C.
 THOMAS, HARVEY M.
 THOMAS, MRS. HOWARD L.
 THURSBY, MRS. SYDNEY
 TIEDEMANN, HENRY F.
 TIMME, WALTER, M.D.
 TIMOLAT, JAMES G.
 TINQUE, WILLIAM J.
 TISON, ALEXANDER, JR.
 TITUS, ROBERT R.
 TITUS, MRS. ROBERT R.
 TRUMBULL, WALTER
 TUCKER, MRS. AGNES
 TUCKER, CARLL
 *TUCKERMAN, PAUL
 TURNER, JOHN B.
 *TURNBULL, ARTHUR
 TURNBULL, MRS. RAMSAY
 TYLER, MRS. VICTOR MORRIS
 VALENTINE, MISS MARGUERITE E.
 VAN ANDA, CARR V.
 VAN CORTLAND, AUGUSTUS
 VANDERBILT, WILLIAM H.
 VANDERLIPP, W. T.
 VAN GERBIG, BAREND
 VAN INGEN, DR. PHILIP
 VAN RIPER, GEORGE
 VAN WIZEL, MRS. LOUISA
 VERNAY, ARTHUR S.
 VETTEL, MRS. ROSA
 VON MUMM, WALTHER
 WALDO, MISS RUTH
 WALKER, MISS MIRIAM DWIGHT
 WALKER, STUART
 WALTER, MARTIN
 WALTER, WILLIAM I.
 WANNER, LEO F.
 WARD, ARTEMAS, JR.
 WARD, MISS MARY ELIZABETH
 WARD, DR. WILBUR
 WARD, WILLIAM F.
 WARDWELL, ALLEN
 WAREAM, MISS S. MAE
 WATERBURY, MISS FLORENCE
 WEBB, VANDERBILT
 WEBB, MRS. VANDERBILT
 WEBER, MRS. ORLANDO F.
 WEEMS, F. C.
 WEIMER, HENRY L.
 WELCH, HENRY K. W.
 *WELCH, LEWIS S.
 WELLDON, SAMUEL A.
 WELLS, MRS. EDWARD H.
 WHALEN, GROVER
 WHEELOCK, WILLIAM H.
 WHEELWRIGHT, DR. JOSEPH S.
 WHITE, MISS CAROLINE
 WHITE, HAROLD T.
 WHITE, H. B.
 WHITEHOUSE, WILLIAM F.
 WHITIN, MISS LOUISE
 WHITLOCK, BACHE McM.
 WHITMAN, WILLIAM, JR.
 WHITNEY, MRS. HARRY PAYNE
 WHITNEY, MRS. HOWARD F.
 WHITRIDGE, ARNOLD

WHITTEMORE, GEORGE W.
WHITTEMORE, HOWARD
WICKERSHAM, CORNELIUS W.
WIESE, MRS. MILTON V.
WILE, EDWIN
WILLEY, PROF. CHARLES H., PH.D.
WILLIAMS, BYARD, M.D.
WILLIAMS, MRS. PERCY H.
WILLIAMSON, CLIFTON P.
WILSON, HENRY WILLIAM
WILSON, R. THORNTON
WINSLOW, PEARSON
WINTER, EMIL
WINTHROP, ROBERT
WITTMAN, JOSEPH
WOLF, RALPH

WOOD, MRS. TURNBULL
WOODWARD, MRS. WILLIAM
WOOLEY, C. M.
WOOLLEY, MRS. KNIGHT
WORCESTER, WILFRED J.
WORTIS, DR. S. BERNARD
YARROW, MRS. WILLIAM
YOLEN, WILL HYATT
YOUNG, ROLAND KEITH
YUNGER, MISS CAROL
ZABRISKIE, MISS ETHEL
ZABRISKIE, GEORGE A.
ZIEGLER, WILLIAM, JR.
ZINSSER, AUGUST
ZINSSER, WILLIAM H.

HONORARY MEMBERS

*PROF. ALEXANDER AGASSIZ
*DR. J. A. ALLEN
*THE DUKE OF BEDFORD, K.G., F.R.S.
*HERR F. E. BLAAUW
*ARTHUR ERWIN BROWN
DR. FRANK M. CHAPMAN
CAPT. JEAN DELACOUR
*DR. DANIEL GIRAUD ELLIOT
*COL. J. C. FAUNTHORPE

*SIR WILLIAM FLOWER
*DR. C. KERBERT
*DR. F. L'HOEST
*SIR EDMUND LODER, BART
DR. C. HART MERRIAM
DR. P. CHALMERS MITCHELL
*H. S. H. ALBERT, PRINCE OF MONACO
*THE RT. HON. LORD ROTHSCHILD, F.R.S.
*DR. PHILIP LUTLEY SCLATER

FELLOWS†

AMORY, COPLEY
ANDREWS, DR. ROY CHAPMAN
ANTHONY, DR. H. E.
BARBOUR, DR. THOMAS
BEEBE, DR. WILLIAM
*BICKMORE, PROF. ALBERT S.
BLAIR, DR. W. REID
BREDER, DR. C. M., JR.
*BRISTOL, PROF. CHARLES L.
*BROOKS, DR. HARLOW
CALKINS, PROF. GARY N.
CHAPIN, DR. JAMES P.
CLARK, JAMES L.
COATES, CHRISTOPHER W.
COX, DR. RICHARD T.
CRAMPTON, PROF. HENRY E.
CRANDALL, LEE S.
CRANE, MISS JOCELYN
DAVENPORT, DR. CHARLES B.
*DEAN, DR. BASHFORD
DITMARS, DR. R. L.
*DUTCHER, WILLIAM
ELTON, CHARLES
FISHER, DR. CLYDE
*GRANT, MADISON

GREEN, DR. ROBERT G.
GREGORY, DR. WILLIAM K.
GRESSER, EDWARD B., M.D.
*GRINNELL, GEORGE BIRD
GUDGER, PROF. E. W.
HARTLEY, G. INNESS
HATT, DR. ROBERT TORRENS
HOLLISTER, MISS GLORIA ELAINE
*HORNADAY, DR. WILLIAM T.
*HUNTINGTON, DR. GEORGE S.
LANG, HERBERT
LEE, PROF. FREDERIC S.
LEISTER, DR. CLAUDE W.
LOYD, HOYES
*LUCAS, DR. FREDERIC A.
LUTZ, DR. FRANK E.
MCCCLURE, GERVASE W.
MCGREGOR, PROF. J. H.
*MAC CALLUM, DR. GEORGE A.
MANN, DR. WM. M.
*MATTHEW, DR. W. D.
*MAYOR, DR. ALFRED G.
*MERKEL, HERMANN W.
MINER, DR. ROY W.
MORGAN, PROF. THOMAS H.

* Deceased.

† The qualifications for this class rest solely upon scientific achievement.

MURPHY, DR. ROBERT CUSHMAN
 NICHOLS, DR. J. T.
 NIGRELLI, DR. ROSS F.
 *NOBACK, DR. CHARLES V.
 *NOBLE, DR. G. KINGSLEY
 *OSBORN, PROF. HENRY FAIRFIELD
 OSBURN, DR. RAYMOND C.
 PARR, PROF. ALBERT EIDE
 PONDER, DR. ERIC
 PORTIELJE, A. F. J.
 PRIEMEL, DR. KURT
 RAVEN, H. C.
 *SCHULTE, PROF. H. VON W.
 SCOTT, DR. GEORGE G.

SETH-SMITH, DAVID
 SETON, ERNEST THOMPSON
 *SHELDON, CHARLES
 *SHERWOOD, DR. GEORGE H.
 SMITH, DR. GEORGE M.
 SMITH, DR. HOMER W.
 STOCKARD, DR. CHARLES R.
 STUNKARD, PROF. HORACE W.
 TEE-VAN, JOHN
 THAYER, GERALD B.
 *TILNEY, DR. FREDERICK C.
 TOWNSEND, DR. CHARLES H.
 *WILSON, PROF. EDMUND B.
 YERKES, DR. ROBERT M.

RESEARCH ASSOCIATES †

SMITH, DR. GEORGE M.

SMITH, DR. HOMER W.

CORRESPONDING MEMBERS

CHARLES BARRETT
 JOHN C. BLICK
 JAMES H. BRIGHT
 MAJOR FREDERICK R. BURNHAM
 B. A. FERNANDES
 VICTOR FORBIN
 T. P. GILFEDDER
 T. H. GILLESPIE
 DR. A. K. HAAGNER
 DR. LUTZ HECK

MISS GLORIA ELAINE HOLLISTER
 DR. HANS HONIGMANN
 WL. JANTA-POLCZYNSKI
 RUSSELL HASTINGS MILLWARD
 LT. COL. HUGH ROSS, D.S.O.
 MAJOR CHARLES G. STURTEVANT
 G. TYRWHITT-DRAKE
 DR. H. M. WEGEFORTH
 DR. W. REGINALD WHEELER

* Deceased.

† Actively engaged in research at the Zoological Park or the Aquarium.

SUMMARY OF MEMBERSHIP

Benefactors	2
Founders in Perpetuity	8
Founders	6
Associate Founders	9
Patrons	34
Life Members	321
Annual Members	904
Honorary Members	4
Fellows	56
Research Associates	2
Corresponding Members	19
(Total)	1,365

Corrected to January 1, 1941

